

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT



APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER East Chapita 119-08D							
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT NATURAL BUTTES							
4. TYPE OF WELL Gas Well <input checked="" type="checkbox"/> Coalbed Methane Well: NO <input type="checkbox"/>						5. UNIT or COMMUNITIZATION AGREEMENT NAME							
6. NAME OF OPERATOR						7. OPERATOR PHONE							
8. ADDRESS OF OPERATOR						9. OPERATOR E-MAIL							
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UT80939				11. MINERAL OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>		12. SURFACE OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>							
13. NAME OF SURFACE OWNER (if box 12 = 'fee')						14. SURFACE OWNER PHONE (if box 12 = 'fee')							
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')							
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')				18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input checked="" type="checkbox"/> (Submit Commingling Application) NO <input type="checkbox"/>		19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>							
20. LOCATION OF WELL		FOOTAGES		QTR-QTR		SECTION		TOWNSHIP		RANGE		MERIDIAN	
LOCATION AT SURFACE		1610 FSL 1430 FWL		NESW		8		9.0 S		23.0 E		S	
Top of Uppermost Producing Zone		2310 FSL 990 FWL		NWSW		8		9.0 S		23.0 E		S	
At Total Depth		2310 FSL 990 FWL		NWSW		8		9.0 S		23.0 E		S	
21. COUNTY UINTAH				22. DISTANCE TO NEAREST LEASE LINE (Feet) 1430				23. NUMBER OF ACRES IN DRILLING UNIT 10					
				25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completion) 1				26. PROPOSED DEPTH MD: 9551 TVD: 9466					
27. ELEVATION - GROUND LEVEL 4930				28. BOND NUMBER NM2308				29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 49-225					
Hole, Casing, and Cement Information													
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight			
SURF	11	8.625	0 - 2550	28.0	J-55 LT&C	9.2	Varocem	216	4.1	10.5			
							Type V	211	1.203	15.6			
PROD	7.875	4.5	0 - 9551	13.0	N-80 LT&C	12.5	Poz Light	445	1.83	12.0			
							50/50 Poz	1321	1.47	13.5			
ATTACHMENTS													
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES													
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER						<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN							
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)						<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER							
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)						<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP							
NAME Barbara Griswold				TITLE Sr. Regulatory Specialist				PHONE 303 262-9894					
SIGNATURE				DATE 08/25/2016				EMAIL barbara_griswold@eogresources.com					
API NUMBER ASSIGNED 43047555950000						APPROVAL							

Received: August 25, 2016

DRILLING PLAN

East Chapita #119-08D
NESW, Sec. 8, T9S, R23E, S.L.B.&M.
Uintah County, Utah

1. ESTIMATED TOPS & ANTICIPATED OIL, GAS & WATER ZONES

FORMATION	FORMATION ID	LITHOLOGY	MSL ELEV. (FT.)	TVD (FT.)	MD (FT.)	MINERAL RESOURCE(S)	PRODUCING FORMATION?
Uinta	Surface Formation	Shale	4955	0	0	Water	No
Green River	Formation 1	Shale	3316	1639	1658	None	No
Birdsnest	Formation 2	Dolomite	3017	1938	1965	None	No
Surface Casing Shoe			2446	2509	2550		
Mahogany Oil Shale Bed	Formation 3	Shale	2396	2559	2601	None	No
Wasatch	Formation 4	Sandstone	106	4849	4934	Gas	Yes
Chapita Wells	Formation 5	Sandstone	-495	5450	5535	Gas	Yes
Buck Canyon	Formation 6	Sandstone	-1176	6131	6216	Gas	Yes
North Horn	Formation 7	Sandstone	-1809	6764	6849	Gas	Yes
KMV Price River	Formation 8	Sandstone	-2217	7172	7257	Gas	Yes
KMV Price River-Middle	Formation 9	Sandstone	-3012	7967	8052	Gas	Yes
KMV Price River - Lower	Formation 10	Sandstone	-3791	8746	8831	Gas	Yes
Sego	Formation 11	Sandstone	-4311	9266	9351	Gas	No
TD/Prod. Casing Shoe			-4511	9466	9551		

Anticipated BHP (psi): 6153

Anticipated BHT (°F): 200

Comingling Wasatch through KVM Price River -Lower

- Fresh water may exist in the upper $\pm 1,000$ ft of the Uinta Formation. Cement to be circulated to surface of the well isolating all zones in this interval.

2. PRESSURE CONTROL EQUIPMENT

Production Hole:

Pressure Rating: 5000 psig (05M) Depth Rating: 9551'

Equipment to be used:

The minimum specifications for pressure control equipment that will be provided are included on the attached schematic diagram showing minimum size and minimum pressure ratings.

- 11", 5M Annular Preventer
- 11", 5M Blind Rams
- 11", 5M Pipe Rams

Auxiliary Equipment to be used:

- Upper and Lower Kelly Cock with handle available
- Stabbing (safety) valve(s) and subs to fit all drill string connections in use
- Inside BOP or float sub
- Rotating head above annular preventer
- Choke Manifold - Includes appropriate valves and adjustable chokes. The kill line will have one check valve.
- Electronic/mechanical mud monitoring equipment, which will include a pit volume totalizer (PVT), stroke counter and flow sensor as a minimum. Gas detector to measure gas percentage in fluid returns. Mud scale will be used to manage mud weight as well as detect gas cut mud.

Received: August 25, 2016

Testing Procedure:

Ram-type preventers will be pressure tested to full working pressure (utilizing a tester and test plug) at: initial installation, whenever any seal subject to test pressure is broken, following related repairs, after rig moves and at 30-day intervals. The annular preventer will be pressure tested to 50 percent of the rated working pressure. All pressure tests shall be maintained at least 10 minutes or until provisions of the test are met, whichever is longer. Annular preventers shall be functionally operated at least weekly. Pipe and blind rams shall be activated each trip, however, not more than once per day. A BOPE pit level drill will be conducted weekly for each drilling crew. All tests and drills will be recorded in the drilling log. The accumulator will have sufficient capacity to open the HCR valve, close all rams plus the annular preventer and retain 2000 psi above pre-charge pressure without the use of closing unit pumps. The system will have two independent power sources to close the preventers in accordance with 5000 psi requirements outlined in Onshore Order #2. Remote controls shall be readily accessible to the driller. Master controls shall be at the accumulator.

Choke & BOP Diagrams:

Attached (BOP & Choke Diagram.pdf)

3a. CASING PROGRAM

String Type	Hole Size (")	Top Setting Depth (ft)			Bottom Setting Depth (ft)			Length (ft)	Casing Size (")	Weight (#/ft)	Grade	Conn.	Cond.	Standard
		(MD)	(TVD)	(MSL)	(MD)	(TVD)	(MSL)							
Conductor	20.00	0	0	4955	60	60	4895	60	14.0	32.5	N-80	LTC	New	NA
Surface	11.00	0	0	4955	2550	2509	2446	2550	8.625	28.0	J-55	LTC	New	Non-API
Production	7.875	0	0	4955	9551	9466	4511	9551	4.50	11.6	N-80	LTC	New	API

The 11" surface hole will be drilled to a total depth of $\pm 200'$ below the base of the Birdsnest lost circulation zone and cased to that depth with 8.625" casing as shown. Drilled depth may be shallower or deeper than the 2550' shown above depending on the actual depth of the loss zone.

After cementing and prior to drilling out from under the casing shoe, all casing strings below the conductor shall be pressure tested to 0.22 psi/ft of casing string length or 1500 psi, whichever is greater, but not to exceed 70% minimum internal yield.

All casing will be new or inspected.

3b. CASING PROGRAM SAFETY FACTORS

String Type	Collapse Rating (psi)	Burst Rating (psi)	Jt. Tensile Rating (#)	Body Tensile Rating (#)	SAFETY FACTORS			
					Collapse	Burst	Tensile Joint (Dry)	Tensile Body (Dry)
Conductor		1,800		10,000				
Surface	1,880	3,400	348,000	437,000	1.566	2.251	4.874	6.120
Production	6,350	7,780	223,000	267,000	1.165	1.197	2.013	2.410

Maximum Load Conditions Assumed for Safety Factor Calculations:

Surface Casing:

- Collapse - Fully Evacuated Casing Inside, Maximum Anticipated Mud Weight of 9.2 ppg in Annulus
- Burst - Maximum Anticipated Fracture Pressure at Surface Casing Shoe (13.0 ppg) + 0.5 ppg with 0.1 psi/ft. Gas Gradient Above
- Tensile - Air Weight of Casing

Production Casing:

- Collapse - Air Gradient Inside of 0.1 psi/ft., Maximum Anticipated Mud Weight of 12.5 ppg + 0.5 ppg in Annulus
- Burst - Maximum Anticipated Treating Pressure of 6500 psi at Surface
- Tensile - Air Weight of Casing

3c. CASING FLOAT EQUIPMENT

Surface: Guide shoe, insert float collar (PDC drillable). Centralizers (bow-spring): 1 in middle of shoe joint, then top of every joint for next 7 joints, then every 7th joint to surface (15 total).

Production: Float shoe, 1 joint casing, float collar and balance of casing to surface.
4½", 11.6#, N-80 or equivalent marker collars or short casing joints to be placed at top of Price River and 400' above top of Wasatch. Bow-spring centralizers to be placed 5' above shoe on joint #1, top of joint #2 and every 3rd joint to 400' above top productive interval.

4. CEMENT PROGRAM

Cement design provided for all slurries is for expected bottomhole temperatures and hole conditions. If the actual bottomhole temperatures or hole conditions are different than expected, slight adjustments to the slurry additives could occur to maintain slurry properties. Should cementing service providers change, a slurry with equivalent qualities and properties will be used.

All waiting on cement (WOC) times will be adequate to achieve a minimum of 500 psi compressive strength at the casing shoe prior to drilling out.

Conductor Casing

Redi-Mix as Required (0' - ±60' MD)

Surface Casing

Lead volume calculated to bring cement from 500' above casing shoe to surface + 70% excess over gauge hole. Tail volume calculated to bring cement to 500' above shoe + 100% excess over gauge hole. Volumes pumped in the field will be based on actual surface casing setting depth for each well with same cement tops and excesses.

Lead Slurry: (0 - 2050' MD)	216 sx (886 cu. ft.)	Varicem (Type III) cement + 2% Cal-Seal (Thixotropic Additive) + 0.3% Versaset (Thixotropic Additive) + 2% Econolite (Light Weight Additive) mixed at 10.5 ppg, 4.10 cfps yield, 26.88 gps water, or equivalent slurry.
Tail Slurry: (2050 - 2650' MD)	216 sx (886 cu. ft.)	HalCem (Type V) cement + 2% CaCl ₂ (Accelerator) + 0.125 pps Poly-E-Flake (Lost Circulation Additive) + 0.25 pps Kwik Seal (Lost Circulation Additive) Mixed at 15.6 ppg, 1.203 cfps yield, 5.30 gps water, or equivalent slurry.
Top Out:	As Needed	HalCem (Type V) cement + 2% CaCl ₂ (Accelerator) + 0.125 pps Poly-E-Flake (Lost Circulation Additive) + 0.25 pps Kwik Seal (Lost Circulation Additive) Mixed at 15.6 ppg, 1.203 cfps yield, 5.30 gps water, or equivalent slurry via 1" tubing.

Production Casing

In order to minimize cement losses, lead cement slurry weight for the production string will vary from 11.0 ppg to 13.0 ppg and be based upon a minimum of 0.5 ppg over mud weight of each well at TD.

Lead Slurry:
(2150 - 4534' MD)

If lead slurry weight required is 11.0 ppg - 12.5 ppg, cement will be:

Highbond 75 (75/25 Poz/G) cement + 6% Bentonite (Extender) + 0.3% Versaset (Thixotropic Additive) + 2% Microbond (Expansion Additive)

Slurry weights with corresponding yields and water requirements for above cement are as follows:

- 11.0 ppg, 2.52 cfps yield, 14.96 gps water
- 11.5 ppg, 2.12 cfps yield, 11.98 gps water
- 12.0 ppg, 1.83 cfps yield, 9.82 gps water
- 12.5 ppg, 1.61 cfps yield, 8.17 gps water

If lead slurry weight required is 13.0 ppg, cement will be:

ExtendaCem (50/50 Poz/G) cement + 0.125 pps Poly-E-Flake (Lost Circulation Additive) mixed at 13.0 ppg, 1.63 cfps, 8.16 gps water

Tail Slurry:

(4534 - 9551' MD)

ExtendaCem (50/50 Poz/G) cement + 0.125 pps Poly-E-Flake (Lost Circulation Additive) mixed at 13.5 ppg, 1.47 cfps, 6.98 gps water

Calculated production casing cement volumes shown in table below are based on surface casing setting depth, Wasatch Formation top and MTD for well for each type of slurry shown above. Lead volume to be calculated to bring cement from $\pm 400'$ above the Wasatch Formation to $\pm 400'$ above the 8" surface casing shoe + 50% excess over gauge hole. Tail volume calculated to bring cement from MTD to $\pm 400'$ above the Wasatch Formation + 70% excess over gauge hole.

Calculated Production Casing Cement Volumes

Slurry Type	Slurry Weight (ppg)	Slurry Yield (cfps)	Water Req't (gps)	Calculated Volume	
				(sx)	(cu. ft.)
Lead	11.0	2.52	14.96	323	814
Lead	11.5	2.12	11.98	384	814
Lead	12.0	1.83	9.82	445	814
Lead	12.5	1.61	8.17	506	814
Lead	13.0	1.63	8.16	500	814
Tail	13.5	1.47	6.98	1321	1942

5. DRILLING FLUIDS/MUD PROGRAM

A closed loop system will be utilized. Enough barite and supplemental additives will be on location or weighted, premixed liquid mud will be readily available to weight the entire circulating system up to 1.0 ppg over the maximum anticipated bottom hole pressure.

Surface Hole (0' - $\pm 2550'$) Air / Air Mist / Aerated Water
or

If fluid drilling is required a fresh water, gel/bentonite mud system will be used. LCM sweeps, additions, etc., will be utilized as necessary. Maximum anticipated mud weight = 9.2 ppg.

Production Hole (± 2550 - 9551' MTD)

*Mud Weight (ppg)	Viscosity	pH	Water Loss
9.5 - 12.5	38 - 40	9.0 - 10.0	< 15 cc

*Anticipated mud weight dependent on actual wellbore conditions encountered while drilling.

A fresh water, gel/bentonite mud system will be used to control viscosity with PHPA polymer used for supplemental viscosity and clay encapsulation / inhibition. Bacteriacides will be used as needed. Mud weight will be adjusted as necessary for well control. Defloculants / thinners will be used as necessary to maintain mud quality. LCM sweeps will be utilized as necessary to control mud loss or wholesale lost circulation. CO₂ contamination, if encountered, will be treated with lime and gypsum.

6. EVALUATION PROGRAM

Open Hole Logs:

None anticipated

Cased-Hole Logs:
(Run in lieu of open hole logs)

Cement Bond Log / Casing Collar Locator / Gamma Ray

Cores:

None anticipated

7. ABNORMAL CONDITIONS

Surface Hole (0' - ± 2550')

- Possible lost circulation.

Production Hole (± 2550 - 9551' MTD)

- Sloughing shales, lost circulation and key seat development are possible in the Wasatch Formation.
- Possible CO₂ contamination
- 9.5 - 12.5 ppg mud weights.

8. HAZARDOUS CHEMICALS

No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported or disposed of in association with the drilling of this well.

9. VARIANCE REQUESTS

Reference: Onshore Oil and Gas Order No. 1

Onshore Oil and Gas Order No. 2 — Section A: Well Control Requirements

— Section C: Mud Program Requirement

— Section E: Special Drilling Operations

- EOG Resources, Inc. requests a variance to regulations requiring all choke lines shall be straight lines unless turns use tee blocks or are targeted with running tees....: *If rig employed on production hole is so equipped, a flexible, 5000 psi choke hose may be used in place of a straight choke line.*
- EOG Resources, Inc. requests a variance to regulations requiring use of targeted tees in vent lines coming from gas busters: *As the gas buster eliminates abrasive materials, only fluids will be traversed through the line, therefore, no erosion in the line will occur.*
- EOG Resources, Inc. requests a variance to regulations requiring a straight run blooie line to be 100' in length: *Where possible, a straight run blooie line will be used.*
- EOG Resources, Inc. requests a variance to regulations requiring the blooie line to be 100' in length: *To reduce location excavation, the blooie line will be approximately 75' in length.*
- EOG Resources, Inc. requests a variance to regulations during air drilling operations only, requiring deausting equipment: *Dust during air drilling operations is controlled by water mist.*
- EOG Resources, Inc. requests a variance to regulations during air drilling operations only, requiring an automatic igniter or continuous pilot light on the blooie line: *This is not required on an aerated water system.*
- EOG Resources, Inc. requests a variance that compressors are located in the opposite direction from the blooie line a minimum of 100' from the wellbore: *Air compressors are rig mounted.*

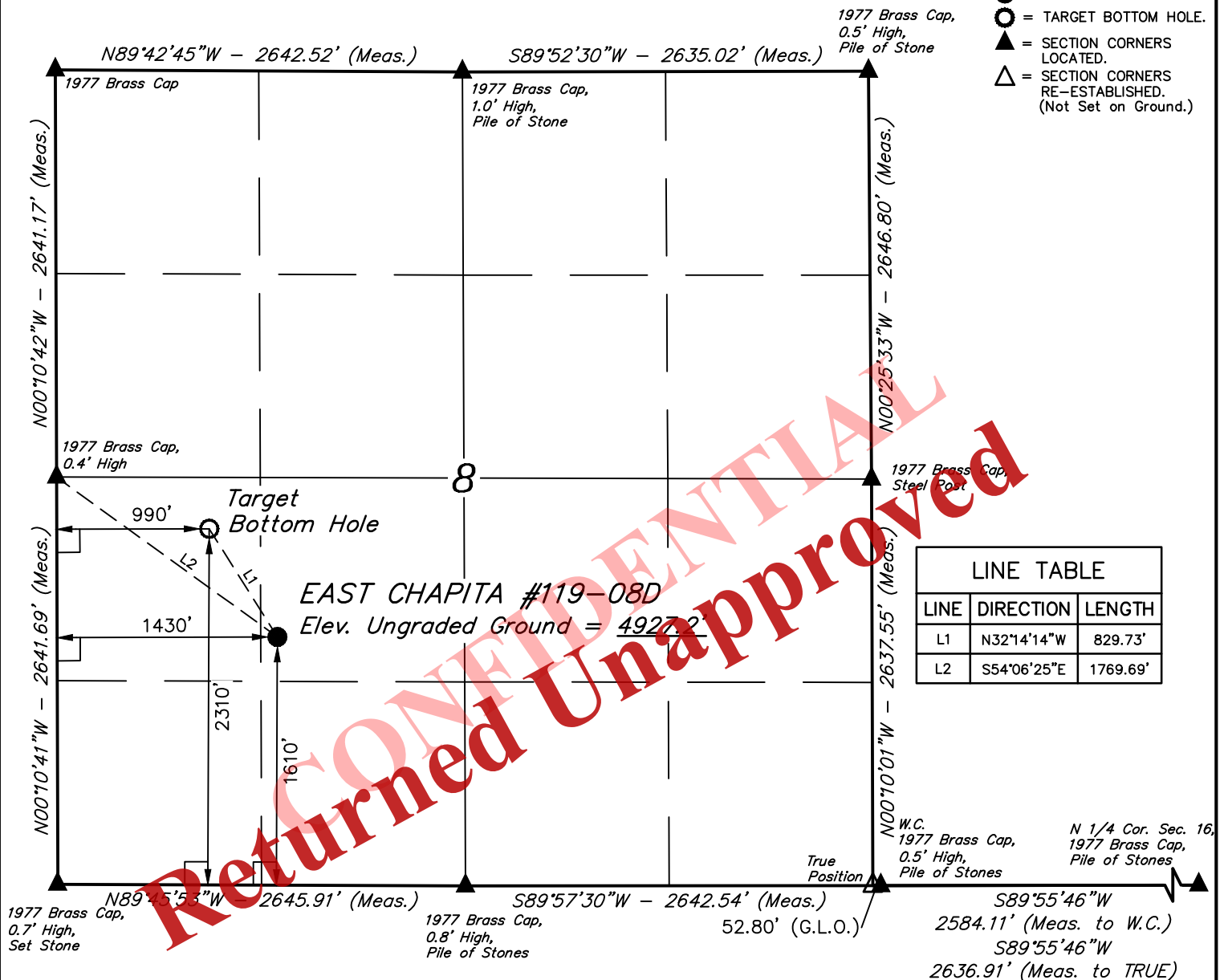
10. AIR DRILLING OPERATIONS

- Main air compressors are 1250 CFM 350 psi with 2000 psi boosters and are rig mounted.
- Secondary air compressors are 1170 CFM 350 psi with 2000 psi boosters and are rig mounted.
- Minimum setting depth of conductor casing will be 60' GL or ±10' into competent formation, whichever is deeper, as determined by the EOG person in charge. Exceptions must be approved by an EOG Drilling Superintendent or Manager.
- The diameter of the diverter flowline will be a minimum of 10" to help reduce back pressure on the wellbore during uncontrolled flow.
- Rat and mouse hole drilling will occur only after surface casing has been set and cemented.
- EOG Resources, Inc. will use a properly maintained and lubricated stripper head, connected to the diverter or blooie line.

T9S, R23E, S.L.B.&M.

LEGEND:

- └ = 90° SYMBOL
- = PROPOSED WELLHEAD.
- = TARGET BOTTOM HOLE.
- ▲ = SECTION CORNERS LOCATED.
- △ = SECTION CORNERS RE-ESTABLISHED. (Not Set on Ground.)

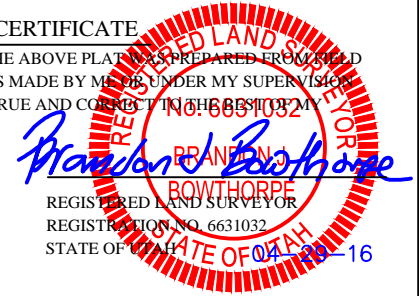


LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N32°14'14\"W	829.73'
L2	S54°06'25\"E	1769.69'



NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 40°02'58.49\" (40.049581)	LATITUDE = 40°02'51.55\" (40.047653)
LONGITUDE = 109°21'24.19\" (109.356719)	LONGITUDE = 109°21'18.51\" (109.355142)
NAD 27 (TARGET BOTTOM HOLE)	NAD 27 (SURFACE LOCATION)
LATITUDE = 40°02'58.62\" (40.049617)	LATITUDE = 40°02'51.68\" (40.047689)
LONGITUDE = 109°21'21.74\" (109.356039)	LONGITUDE = 109°21'16.06\" (109.354461)
STATE PLANE NAD 83 (UTAH CEN.)	STATE PLANE NAD 83 (UTAH CEN.)
N: 7193971.73 E: 2240336.25	N: 7193280.24 E: 2240794.34
STATE PLANE NAD 27 (UTAH CEN.)	STATE PLANE NAD 27 (UTAH CEN.)
N: 632310.37 E: 2600125.50	N: 631618.89 E: 2600583.58

CERTIFICATE
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



BASIS OF BEARINGS
BASIS OF BEARINGS IS A G.P.S. OBSERVATION

BASIS OF ELEVATION
BENCH MARK 58 EAM (1965) LOCATED IN THE NE 1/4 OF SECTION 30, T9S, R23E, S.L.B.&M. TAKEN FROM THE RED WASH SE. QUADRANGLE, UTAH, UINAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5132 FEET.



UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

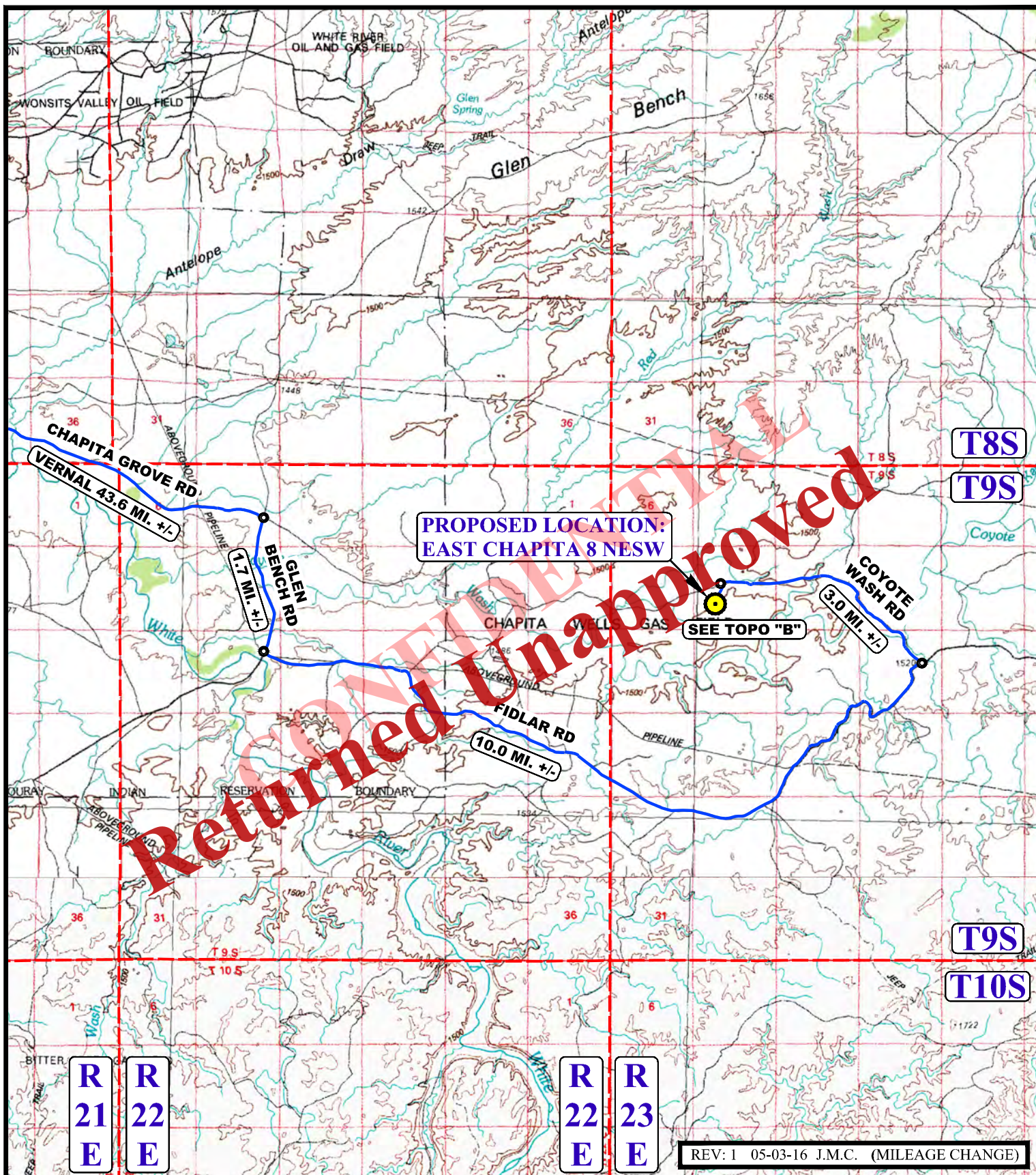


EOG RESOURCES, INC.

EAST CHAPITA #119-08D
NE 1/4 SW 1/4, SECTION 8, T9S, R23E, S.L.B.&M.
UNITAH COUNTY, UTAH

SURVEYED BY	J.F., M.P.	04-25-16	SCALE
DRAWN BY	J.P.	04-27-16	1" = 1000'
WELL LOCATION PLAT			

Received: August 25, 2016



LEGEND:

 PROPOSED LOCATION



UELS, LLC
 Corporate Office * 85 South 200 East
 Vernal, UT 84078 * (435) 789-1017



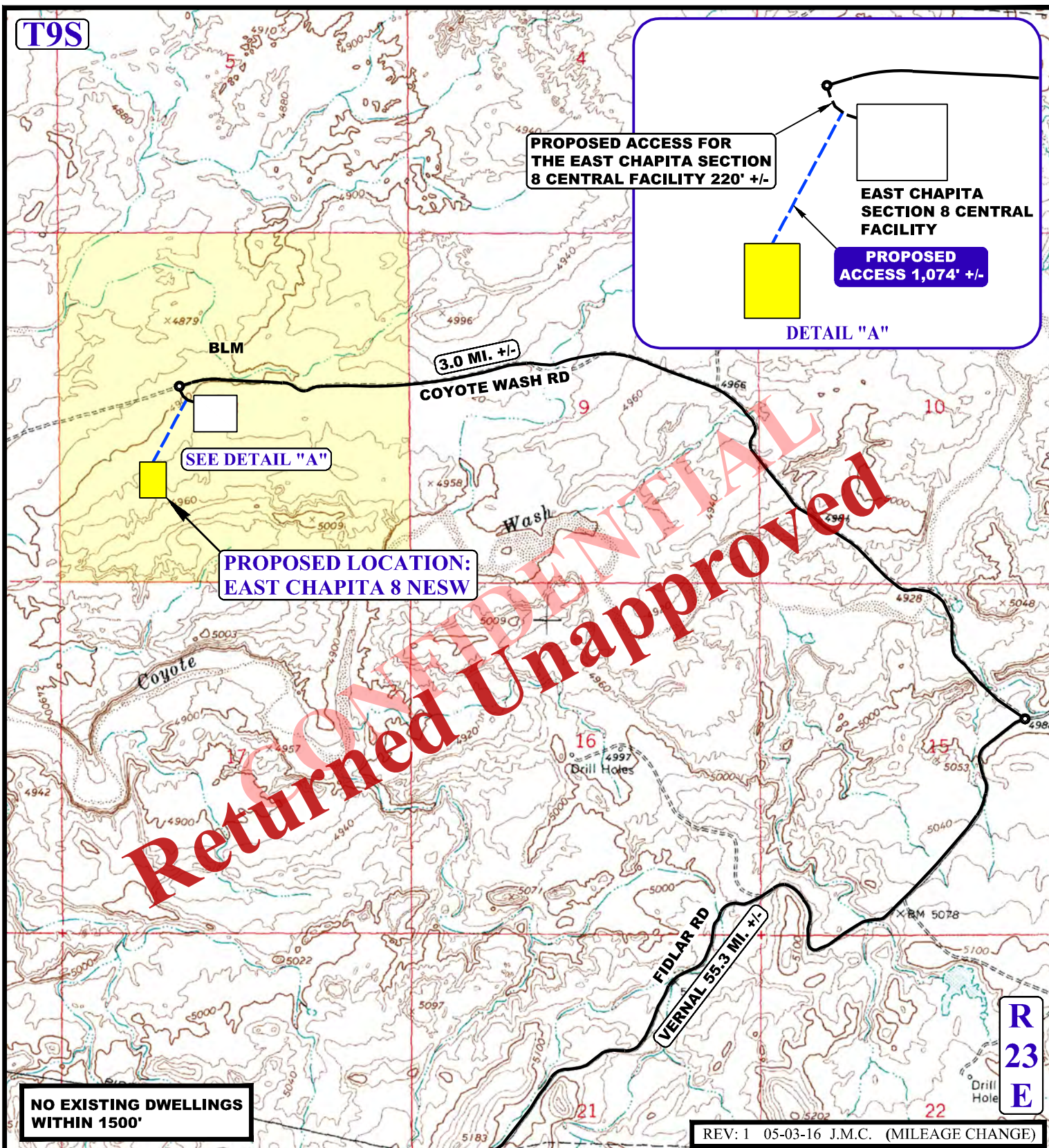
EOG RESOURCES, INC.

EAST CHAPITA 8 NESW
 NE 1/4 SW 1/4, SECTION 8, T9S, R23E, S.L.B.&M.
 UTAH COUNTY, UTAH

SURVEYED BY	C.R., B.H.	04-25-16	SCALE
DRAWN BY	J.M.C.	04-27-16	1 : 100,000
ACCESS ROAD MAP			TOPO A

Received: August 25, 2016

T9S



NOTE: PARCEL DATA SHOWN HAS BEEN OBTAINED FROM VARIOUS SOURCES AND SHOULD BE USED FOR MAPPING, GRAPHIC AND PLANNING PURPOSES ONLY. NO WARRANTY IS MADE BY UINTAH ENGINEERING AND LAND SURVEYING (UELS) FOR ACCURACY OF THE PARCEL DATA.

LEGEND:

- EXISTING ROAD
- - - - - PROPOSED ROAD
- - - - - PROPOSED ROAD (SERVICING OTHER WELLS)



EOG RESOURCES, INC.

EAST CHAPITA 8 NESW
NE 1/4 SW 1/4, SECTION 8, T9S, R23E, S.L.B.&M.
UINTAH COUNTY, UTAH

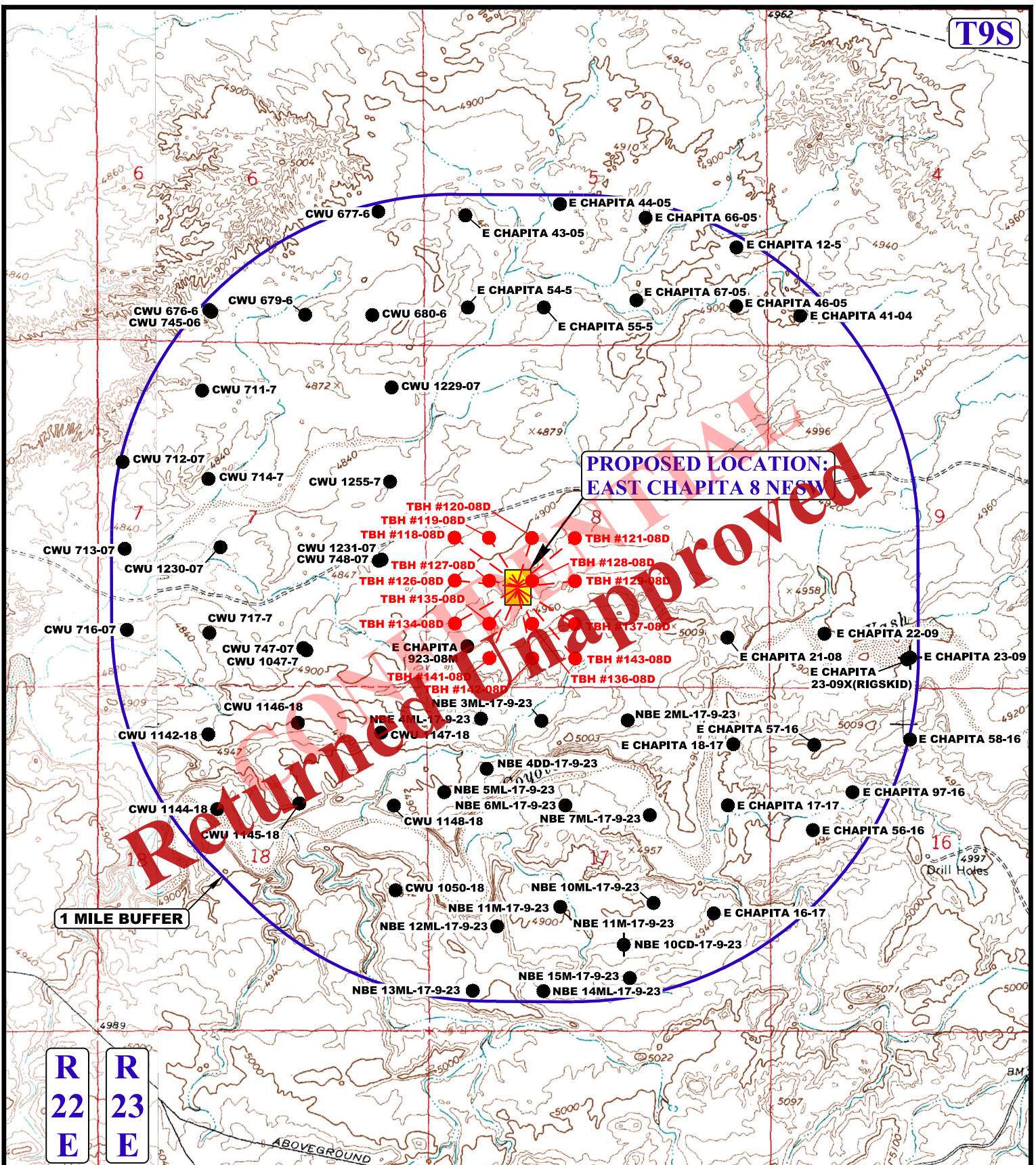


UELS, LLC
 Corporate Office * 85 South 200 East
 Vernal, UT 84078 * (435) 789-1017

SURVEYED BY	C.R., B.H.	04-25-16	SCALE
DRAWN BY	J.M.C.	04-27-16	1 : 24,000
ACCESS ROAD MAP			TOPO B

Received: August 25, 2016

T9S



LEGEND:

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED
- CONFIDENTIAL



EOG RESOURCES, INC.

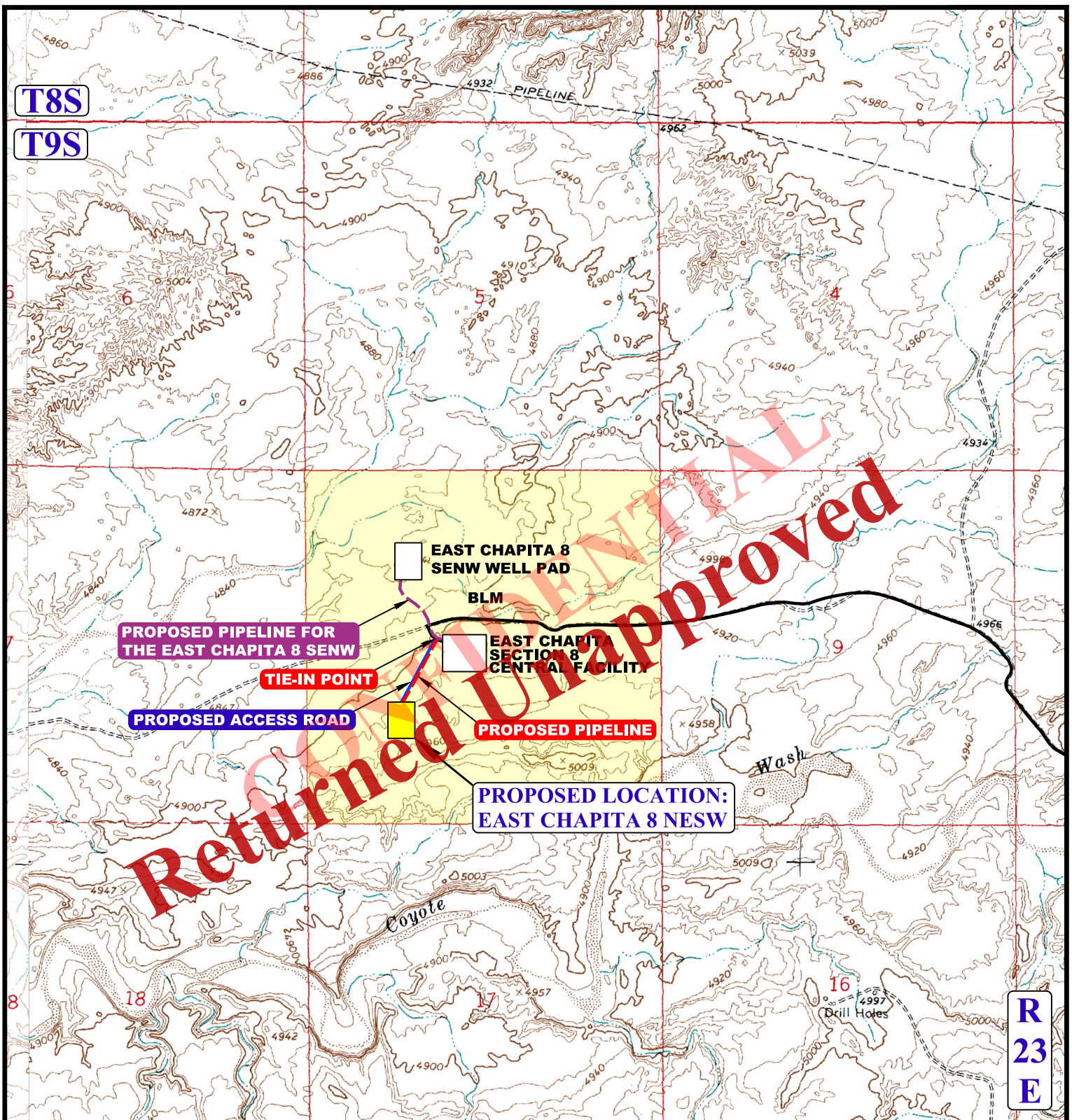
EAST CHAPITA 8 NESW
NE 1/4 SW 1/4, SECTION 8, T9S, R23E, S.L.B.&M.
UINTAH COUNTY, UTAH



UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

SURVEYED BY	C.R., B.H.	04-25-16	SCALE
DRAWN BY	J.M.C.	04-27-16	1 : 24,000
WELL PROXIMITY MAP			TOPO C

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APPROXIMATE TOTAL PIPELINE DISTANCE = 1,082' +/-

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LEGEND:

- EXISTING ROAD
- PROPOSED ROAD
- PROPOSED PIPELINE
- PROPOSED PIPELINE (SERVICING OTHER WELLS)



EOG RESOURCES, INC.

**EAST CHAPITA 8 NESW
NE 1/4 SW 1/4, SECTION 8, T9S, R23E, S.L.B.&M.
UINTAH COUNTY, UTAH**



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Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

SURVEYED BY	C.R., B.H.	04-25-16	SCALE
DRAWN BY	J.M.C.	04-27-16	1 : 24,000
PIPELINE MAP			TOPO D

Received: August 25, 2016

Denver Division - Utah

Utah - Central

East Chapita 8 NESW Pad

119-08D

OH

Plan: APD (Plat 4/29/16)

Standard Planning Report

24 June, 2016

CONFIDENTIAL
Returned Unapproved

Received: August 25, 2016

EOG Resources, Inc.

Planning Report

Database:	EDM_DENVER	Local Co-ordinate Reference:	Well 119-08D
Company:	Denver Division - Utah	TVD Reference:	RKB @ 4955.0usft (KB GL+25')
Project:	Utah - Central	MD Reference:	RKB @ 4955.0usft (KB GL+25')
Site:	East Chapita 8 NESW Pad	North Reference:	True
Well:	119-08D	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	APD (Plat 4/29/16)		

Project	Utah - Central		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Utah Central 4302		

Site		East Chapita 8 NESW Pad			
Site Position:		Northing:	631,600.00 usft	Latitude:	40° 2' 51.497 N
From:	Map	Easting:	2,600,550.00 usft	Longitude:	109° 21' 16.501 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	1.37 °

Well	119-08D					
Well Position	+N/-S	18.1 usft	Northing:	631,618.89 usft	Latitude:	40° 2' 51.675 N
	+E/-W	34.0 usft	Easting:	2,600,583.58 usft	Longitude:	109° 21' 16.063 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level:	4,930.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	11.19	65.98	52,551

Design	APD (Plat 4/29/16)			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	327.85

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,141.4	12.62	327.85	1,134.7	78.2	-49.1	1.50	1.50	0.00	327.85	
4,092.4	12.62	327.85	4,014.3	624.1	-392.2	0.00	0.00	0.00	0.00	
4,933.9	0.00	0.00	4,849.0	702.3	-441.4	1.50	-1.50	0.00	180.00	119-08D PBHL
9,550.9	0.00	0.00	9,466.0	702.3	-441.4	0.00	0.00	0.00	0.00	

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Company:	Denver Division - Utah	TVD Reference:	RKB @ 4955.0usft (KB GL+25')
Project:	Utah - Central	MD Reference:	RKB @ 4955.0usft (KB GL+25')
Site:	East Chapita 8 NESW Pad	North Reference:	True
Well:	119-08D	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	APD (Plat 4/29/16)		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	1.50	327.85	400.0	1.1	-0.7	1.3	1.50	1.50	0.00
500.0	3.00	327.85	499.9	4.4	-2.8	5.2	1.50	1.50	0.00
600.0	4.50	327.85	599.7	10.0	-6.3	11.8	1.50	1.50	0.00
700.0	6.00	327.85	699.3	17.7	-11.1	20.9	1.50	1.50	0.00
800.0	7.50	327.85	798.6	27.7	-17.4	32.7	1.50	1.50	0.00
900.0	9.00	327.85	897.5	39.8	-25.0	47.0	1.50	1.50	0.00
1,000.0	10.50	327.85	996.1	54.2	-34.0	64.0	1.50	1.50	0.00
1,100.0	12.00	327.85	1,094.2	70.7	-44.4	83.5	1.50	1.50	0.00
1,141.4	12.62	327.85	1,134.7	78.2	-49.1	92.3	1.50	1.50	0.00
1,200.0	12.62	327.85	1,191.8	89.0	-55.9	105.1	0.00	0.00	0.00
1,300.0	12.62	327.85	1,289.4	107.5	-67.6	127.0	0.00	0.00	0.00
1,400.0	12.62	327.85	1,387.0	126.0	-79.2	146.8	0.00	0.00	0.00
1,500.0	12.62	327.85	1,484.5	144.5	-90.3	170.7	0.00	0.00	0.00
1,600.0	12.62	327.85	1,582.1	163.0	-102.4	192.5	0.00	0.00	0.00
1,658.3	12.62	327.85	1,639.0	173.8	-109.2	205.2	0.00	0.00	0.00
Green River									
1,700.0	12.62	327.85	1,679.7	181.5	-114.1	214.4	0.00	0.00	0.00
1,800.0	12.62	327.85	1,777.3	200.0	-125.7	236.2	0.00	0.00	0.00
1,900.0	12.62	327.85	1,874.9	218.5	-137.3	258.1	0.00	0.00	0.00
1,964.7	12.62	327.85	1,938.0	230.5	-144.8	272.2	0.00	0.00	0.00
Birdsnest Zone									
2,000.0	12.62	327.85	1,972.5	237.0	-148.9	279.9	0.00	0.00	0.00
2,100.0	12.62	327.85	2,070.0	255.5	-160.6	301.8	0.00	0.00	0.00
2,200.0	12.62	327.85	2,167.6	274.0	-172.2	323.6	0.00	0.00	0.00
2,300.0	12.62	327.85	2,265.2	292.5	-183.8	345.5	0.00	0.00	0.00
2,400.0	12.62	327.85	2,362.8	311.0	-195.5	367.3	0.00	0.00	0.00
2,500.0	12.62	327.85	2,460.4	329.5	-207.1	389.2	0.00	0.00	0.00
2,549.8	12.62	327.85	2,509.0	338.7	-212.9	400.1	0.00	0.00	0.00
8 5/8" Surface Casing									
2,600.0	12.62	327.85	2,558.0	348.0	-218.7	411.0	0.00	0.00	0.00
2,601.1	12.62	327.85	2,559.0	348.2	-218.8	411.3	0.00	0.00	0.00
Mahogany Shale									
2,700.0	12.62	327.85	2,655.5	366.5	-230.3	432.9	0.00	0.00	0.00
2,800.0	12.62	327.85	2,753.1	385.0	-242.0	454.7	0.00	0.00	0.00
2,900.0	12.62	327.85	2,850.7	403.5	-253.6	476.6	0.00	0.00	0.00
3,000.0	12.62	327.85	2,948.3	422.0	-265.2	498.4	0.00	0.00	0.00
3,100.0	12.62	327.85	3,045.9	440.5	-276.8	520.3	0.00	0.00	0.00
3,200.0	12.62	327.85	3,143.5	459.0	-288.5	542.1	0.00	0.00	0.00
3,300.0	12.62	327.85	3,241.0	477.5	-300.1	564.0	0.00	0.00	0.00
3,400.0	12.62	327.85	3,338.6	496.0	-311.7	585.8	0.00	0.00	0.00
3,500.0	12.62	327.85	3,436.2	514.5	-323.4	607.7	0.00	0.00	0.00
3,600.0	12.62	327.85	3,533.8	533.0	-335.0	629.5	0.00	0.00	0.00
3,700.0	12.62	327.85	3,631.4	551.5	-346.6	651.4	0.00	0.00	0.00
3,800.0	12.62	327.85	3,729.0	570.0	-358.2	673.2	0.00	0.00	0.00
3,900.0	12.62	327.85	3,826.5	588.5	-369.9	695.1	0.00	0.00	0.00
4,000.0	12.62	327.85	3,924.1	607.0	-381.5	716.9	0.00	0.00	0.00
4,092.4	12.62	327.85	4,014.3	624.1	-392.2	737.1	0.00	0.00	0.00
4,100.0	12.51	327.85	4,021.7	625.5	-393.1	738.8	1.50	-1.50	0.00
4,200.0	11.01	327.85	4,119.6	642.8	-404.0	759.2	1.50	-1.50	0.00
4,300.0	9.51	327.85	4,218.0	657.8	-413.4	777.0	1.50	-1.50	0.00

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Project:	Utah - Central	MD Reference:	RKB @ 4955.0usft (KB GL+25')
Site:	East Chapita 8 NESW Pad	North Reference:	True
Well:	119-08D	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	APD (Plat 4/29/16)		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,400.0	8.01	327.85	4,316.8	670.7	-421.5	792.2	1.50	-1.50	0.00
4,500.0	6.51	327.85	4,416.0	681.4	-428.3	804.8	1.50	-1.50	0.00
4,600.0	5.01	327.85	4,515.5	689.9	-433.6	814.9	1.50	-1.50	0.00
4,700.0	3.51	327.85	4,615.3	696.2	-437.6	822.3	1.50	-1.50	0.00
4,800.0	2.01	327.85	4,715.1	700.3	-440.1	827.1	1.50	-1.50	0.00
4,900.0	0.51	327.85	4,815.1	702.1	-441.3	829.3	1.50	-1.50	0.00
4,933.9	0.00	0.00	4,849.0	702.3	-441.4	829.4	1.50	-1.50	94.86
Wasatch									
5,000.0	0.00	0.00	4,915.1	702.3	-441.4	829.4	0.00	0.00	0.00
5,100.0	0.00	0.00	5,015.1	702.3	-441.4	829.4	0.00	0.00	0.00
5,200.0	0.00	0.00	5,115.1	702.3	-441.4	829.4	0.00	0.00	0.00
5,300.0	0.00	0.00	5,215.1	702.3	-441.4	829.4	0.00	0.00	0.00
5,400.0	0.00	0.00	5,315.1	702.3	-441.4	829.4	0.00	0.00	0.00
5,500.0	0.00	0.00	5,415.1	702.3	-441.4	829.4	0.00	0.00	0.00
5,534.9	0.00	0.00	5,450.0	702.3	-441.4	829.4	0.00	0.00	0.00
Chapita Wells									
5,600.0	0.00	0.00	5,515.1	702.3	-441.4	829.4	0.00	0.00	0.00
5,700.0	0.00	0.00	5,615.1	702.3	-441.4	829.4	0.00	0.00	0.00
5,800.0	0.00	0.00	5,715.1	702.3	-441.4	829.4	0.00	0.00	0.00
5,900.0	0.00	0.00	5,815.1	702.3	-441.4	829.4	0.00	0.00	0.00
6,000.0	0.00	0.00	5,915.1	702.3	-441.4	829.4	0.00	0.00	0.00
6,100.0	0.00	0.00	6,015.1	702.3	-441.4	829.4	0.00	0.00	0.00
6,200.0	0.00	0.00	6,115.1	702.3	-441.4	829.4	0.00	0.00	0.00
6,215.9	0.00	0.00	6,131.0	702.3	-441.4	829.4	0.00	0.00	0.00
Buck Canyon									
6,300.0	0.00	0.00	6,215.1	702.3	-441.4	829.4	0.00	0.00	0.00
6,400.0	0.00	0.00	6,315.1	702.3	-441.4	829.4	0.00	0.00	0.00
6,500.0	0.00	0.00	6,415.1	702.3	-441.4	829.4	0.00	0.00	0.00
6,600.0	0.00	0.00	6,515.1	702.3	-441.4	829.4	0.00	0.00	0.00
6,700.0	0.00	0.00	6,615.1	702.3	-441.4	829.4	0.00	0.00	0.00
6,800.0	0.00	0.00	6,715.1	702.3	-441.4	829.4	0.00	0.00	0.00
6,848.9	0.00	0.00	6,764.0	702.3	-441.4	829.4	0.00	0.00	0.00
North Horn									
6,900.0	0.00	0.00	6,815.1	702.3	-441.4	829.4	0.00	0.00	0.00
7,000.0	0.00	0.00	6,915.1	702.3	-441.4	829.4	0.00	0.00	0.00
7,100.0	0.00	0.00	7,015.1	702.3	-441.4	829.4	0.00	0.00	0.00
7,200.0	0.00	0.00	7,115.1	702.3	-441.4	829.4	0.00	0.00	0.00
7,256.9	0.00	0.00	7,172.0	702.3	-441.4	829.4	0.00	0.00	0.00
KMV Price River									
7,300.0	0.00	0.00	7,215.1	702.3	-441.4	829.4	0.00	0.00	0.00
7,400.0	0.00	0.00	7,315.1	702.3	-441.4	829.4	0.00	0.00	0.00
7,500.0	0.00	0.00	7,415.1	702.3	-441.4	829.4	0.00	0.00	0.00
7,600.0	0.00	0.00	7,515.1	702.3	-441.4	829.4	0.00	0.00	0.00
7,700.0	0.00	0.00	7,615.1	702.3	-441.4	829.4	0.00	0.00	0.00
7,800.0	0.00	0.00	7,715.1	702.3	-441.4	829.4	0.00	0.00	0.00
7,900.0	0.00	0.00	7,815.1	702.3	-441.4	829.4	0.00	0.00	0.00
8,000.0	0.00	0.00	7,915.1	702.3	-441.4	829.4	0.00	0.00	0.00
8,051.9	0.00	0.00	7,967.0	702.3	-441.4	829.4	0.00	0.00	0.00
KMV Price River Middle									
8,100.0	0.00	0.00	8,015.1	702.3	-441.4	829.4	0.00	0.00	0.00
8,200.0	0.00	0.00	8,115.1	702.3	-441.4	829.4	0.00	0.00	0.00
8,300.0	0.00	0.00	8,215.1	702.3	-441.4	829.4	0.00	0.00	0.00
8,400.0	0.00	0.00	8,315.1	702.3	-441.4	829.4	0.00	0.00	0.00

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Project:	Utah - Central	MD Reference:	RKB @ 4955.0usft (KB GL+25')
Site:	East Chapita 8 NESW Pad	North Reference:	True
Well:	119-08D	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	APD (Plat 4/29/16)		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,500.0	0.00	0.00	8,415.1	702.3	-441.4	829.4	0.00	0.00	0.00
8,600.0	0.00	0.00	8,515.1	702.3	-441.4	829.4	0.00	0.00	0.00
8,700.0	0.00	0.00	8,615.1	702.3	-441.4	829.4	0.00	0.00	0.00
8,800.0	0.00	0.00	8,715.1	702.3	-441.4	829.4	0.00	0.00	0.00
8,830.9	0.00	0.00	8,746.0	702.3	-441.4	829.4	0.00	0.00	0.00
KMV Price River Lower									
8,900.0	0.00	0.00	8,815.1	702.3	-441.4	829.4	0.00	0.00	0.00
9,000.0	0.00	0.00	8,915.1	702.3	-441.4	829.4	0.00	0.00	0.00
9,100.0	0.00	0.00	9,015.1	702.3	-441.4	829.4	0.00	0.00	0.00
9,200.0	0.00	0.00	9,115.1	702.3	-441.4	829.4	0.00	0.00	0.00
9,300.0	0.00	0.00	9,215.1	702.3	-441.4	829.4	0.00	0.00	0.00
9,350.9	0.00	0.00	9,266.0	702.3	-441.4	829.4	0.00	0.00	0.00
Sego									
9,400.0	0.00	0.00	9,315.1	702.3	-441.4	829.4	0.00	0.00	0.00
9,500.0	0.00	0.00	9,415.1	702.3	-441.4	829.4	0.00	0.00	0.00
9,550.9	0.00	0.00	9,466.0	702.3	-441.4	829.4	0.00	0.00	0.00

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
119-08D PBHL	0.00	135	4,849.0	702.3	-441.4	632,310.37	2,600,125.50	40° 2' 58.616 N	109° 21' 21.739 W
- hit/miss target									
- Shape									
- plan hits target center									
- Circle (radius 50.0)									

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")	
2,549.8	2,509.0	8 5/8" Surface Casing	8-5/8	11	
9,550.9	9,466.0	4 1/2" Long String	4-1/2	7-7/8	

EOG Resources, Inc.

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Database:	EDM_DENVER	Local Co-ordinate Reference:	Well 119-08D
Company:	Denver Division - Utah	TVD Reference:	RKB @ 4955.0usft (KB GL+25')
Project:	Utah - Central	MD Reference:	RKB @ 4955.0usft (KB GL+25')
Site:	East Chapita 8 NESW Pad	North Reference:	True
Well:	119-08D	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	APD (Plat 4/29/16)		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
1,658.3	1,639.0	Green River		0.00		
1,964.7	1,938.0	Birdsnest Zone		0.00		
2,601.1	2,559.0	Mahogany Shale		0.00		
4,933.9	4,849.0	Wasatch		0.00		
5,534.9	5,450.0	Chapita Wells		0.00		
6,215.9	6,131.0	Buck Canyon		0.00		
6,848.9	6,764.0	North Horn		0.00		
7,256.9	7,172.0	KMV Price River		0.00		
8,051.9	7,967.0	KMV Price River Middle		0.00		
8,830.9	8,746.0	KMV Price River Lower		0.00		
9,350.9	9,266.0	Sego		0.00		

CONFIDENTIAL
Returned Unapproved



EAST CHAPITA 8
SURFACE USE PLAN OF OPERATIONS

Township 9 South, Range 23 East, Section 8, S.L.B.M.
Uintah County, Utah

PAD NAME

EAST CHAPITA 8 NESW

WELL NAMES

East Chapita 118-08D
East Chapita 119-08D
East Chapita 120-08D
East Chapita 121-08D
East Chapita 126-08D
East Chapita 127-08D
East Chapita 128-08D
East Chapita 129-08D

East Chapita 134-08D
East Chapita 135-08D
East Chapita 136-08D
East Chapita 137-08D
East Chapita 141-08D
East Chapita 142-08D
East Chapita 143-08D

JULY 25, 2016

OPERATOR:

EOG Resources, Inc.
600 17th Street, Suite 1000N
Denver, Colorado 80202
303-572-9000

Received: August 25, 2016

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1.0 Introduction

This Surface Use Plan of Operations (SUPO) provides detail and information with respect to surface facilities, construction practices, infrastructure, and maintenance during operation within EOG Resources, Inc.'s (EOG) proposed action.

EOG is proposing fifteen (15) new gas wells located within Section 8, Township 9 South - Range 23 East, S.L.B M., Uintah County, Utah. The wells would be located 58 miles south of Vernal, UT.

This project consists of one new well pad, the *EAST CHAPITA 8 NESW*, and a central facility pad named the *EAST CHAPITA SECTION 8 CENTRAL FACILITY* (see *Table 1-1*) located on Federal surface with underlying Federal minerals. Title to the oil and gas mineral interest is federally owned and is administered by the Vernal District Field Office of the Bureau of Land Management (BLM).

Table 1-1 Affected Surface

Pad Name	Section Township Range	No. of Wells on Pad	Surface Owner -- Pad--	Surface Owner -- Access Road--
East Chapita 8 NESW	8-T9S-R23E	15	BLM	BLM
East Chapita Section 8 Central Facility	8-T9S-R23E	N/A	BLM	BLM

Drilling would determine whether gas production could be established. Unproductive drill holes would be plugged and abandoned in accordance to Onshore Order #2 Drilling operations III, g, as soon as evaluation of the production intervals were conclusive. Approximate timeframes for drilling and completions operations are shown below in *Table 1-2*.

Average daily traffic (ADT) for the drilling phase (1-3 weeks) is estimated to be 1-5 large trucks and 7-14 personal pick-up trucks per day. ADT for the completions phase (2-3 weeks) is estimated to be 20-35 large trucks and 2-8 personal pick-up trucks per day. ADT for the production phase is estimated to be 2-3 large trucks and 1-2 personal pick-up trucks per day. These are estimates and will vary on a well-by-well basis.

The proposed action is to directionally drill and produce fifteen (15) conventional gas wells from a single well pad and central facility located on Federal lands within Section 8, T9S, R23E, for the development of the Federal mineral estate to the Wasatch/Mesaverde formation.

Table 1-2 Construction, Drilling and Completion Timeframes

Drilling and Completion Step	Approximate Duration
Build Location (roads, pad, and other initial infrastructure)	10-15 days
Mobilize Drilling Rig	5-8 days per pad
Drilling (24-hour operations)	6-10 days per well
Schedule/Logistics for Completion	20 days per pad
Completion (setup, completion, demobilization)	90 days per pad

2.0 Disturbance Description

The proposed action will require two engineered (cut & fill) pads; one well pad, 400 feet by 540 feet and one central facility pad, 550 feet by 650 feet. Approximately 1,663 feet of new access road is required, 1,082 feet of trench for buried pipeline from the well pad to the central facility pad, 12,793 feet for a buried produced water line, and 16,205 feet for a surface gas pipeline. Total project surface disturbance calculations are shown in *Table 2-1*.

Operator committed mitigation measures for the pad include: wellhead telemetry for remote monitoring to reduce maintenance traffic and increase safety; installation of cattle guards at all fence crossings (unless requested otherwise by the authorized officer); produced water transport via buried pipeline to EOG's existing disposal wells to reduce truck traffic, tailpipe emissions, and fugitive dust; and, installation of bird screens on all applicable equipment with stacks.

The pad has been designed to eliminate any long-term material excess. No construction material will be stored on location. Topsoil would be windrowed, seeded and stabilized along the boundary of the location, In accordance with EOG's BLM approved reclamation plan.

Table 2-1 Total Well Pad, Access Road and Pipeline Interim Surface Disturbance

Pad Name	Pad Activity	Length (ft)	Interim Surface Disturbance 30-50' Width (ft)	Interim Disturbance Area (Acres)
East Chapita 8 NESW	Cut/Fills, Topsoil, Spoil Pile	*varies	*varies	6.582
	Road Disturbance	1,074	60	1.479
	Pipeline	1,082	50	1.242
	Total Disturbance	*varies	*varies	9.303
East Chapita Section 8 Central Facility	Cut/Fills, Topsoil, Spoil Pile	*varies	*varies	9.258
	Road Disturbance	870	60	1.198
	Gas Pipeline	16,205	30	11.160
	Produced Water Pipeline	12,793	50	14.684
	Total Disturbance	*varies	*varies	36.300

*see enclosed plat packets

Table 2-2 Total Well Pad, Access Road and Pipeline Final Surface Disturbance

Pad Name	Pad Activity	Length (ft)	Surface Disturbance Width (ft)	Final Disturbance Area (Acres)
East Chapita 8 NESW	Cut/Fills, Topsoil, Spoil Pile	*varies	*varies	2.256
	Road Disturbance	1,074	30	0.740
	Pipeline	1,082	30	0.745
	Total Disturbance	*varies	*varies	3.741
East Chapita Section 8 Central Facility	Cut/Fills, Topsoil, Spoil Pile	*varies	*varies	9.258
	Road Disturbance	870	30	0.599
	Gas Pipeline	16,205	30	11.160
	Produced Water Pipeline	12,793	30	8.811
	Total Disturbance	*varies	*varies	29.828

*see enclosed plat packets

3.0 Access Roads

The proposed well pad access road would be approximately 1,074 feet, more or less, beginning at the northern edge of the well pad in Section 8, T9S-R23E and extending northeasterly where it would intersect with the central facility pad's western access road.

There would be two access roads to the central facility pad. Together they would be 870 feet in length. The western access begins at the northwestern edge of the pad and extends northwest 334 feet to Class D, County Road, Coyote Wash. The eastern access from the central facility begins at the northeastern edge of the pad and extends 536 feet northeast to a Class D, County Road, Coyote Wash.

3.1 Existing Roads

Refer to *Topo A* and *B* in the corresponding plat packages for the location of existing access roads.

Directions to the proposed well pad and central facility are provided in the plat packages submitted with the Application for Permit to Drill (APD). Existing roads would be maintained in the same or better condition prior to commencement of operations. Maintenance of the roads to the proposed well pad and central facility would continue until final abandonment and reclamation of all wells.

3.2 Access Roads to be Constructed or Up-graded

The access road and associated drainage structures will be constructed and maintained in accordance with road guidelines contained in the joint BLM/USFS publication: *Surface Operating Standards for Oil and Gas Exploration and Development, Fourth Edition*, and/or *BLM Manual Section 9113* concerning road construction standards on projects subject to federal jurisdiction.

The proposed access roads will be completed as a single lane, 16' wide, and 40' subgrade, crowned and ditched road. No turnouts are anticipated for this project. Two (2) 18" culverts will be installed at each of the central facility access roads at the approach from Class D, County Road, Coyote Wash, as depicted in the attached *Topo B* plats.

The access road will be constructed with a 4:1 slope for ditches. Rip rap will be used along the slopes as needed for stabilization. A minimum of six (6) inches of topsoil will be stripped from the new access road prior to any further construction activity. Stripped topsoil will be stored along the sides of the new access road and stabilized by seeding and/or matting, as appropriate. Three (3) inch minus gravel will be used only as needed for road base integrity. Surface disturbing activities will be confined within the authorized area.

Topo B plats for the well pad and central facility depicts the planned road alignment.

The maximum grade of the new access roads will be less than eight percent (8%). There are no major cuts or fills, bridges, gates, cattle guards or fences anticipated along the proposed access routes.

The access road will be constructed and maintained as necessary to prevent soil erosion and accommodate all-weather traffic. The roads will be crowned and ditched to provide for proper drainage along the access road route and in accordance to best management practices. If the access road is dry during construction, drilling, and/or completion activities, water will be applied to the access road to help facilitate road compaction (during construction), provide dust abatement, and minimize soil loss.

Construction activity will not be conducted using frozen or saturated soil material(s) or during periods when watershed damage is likely to occur.

During the drilling and production phase of operations, the road surface and shoulders will be kept in a safe and useable condition and drainage ditches and culverts will be kept clear and free flowing.

4.0 Facilities

4.1 Location of Existing Wells Within a One-mile Radius

Please refer to *Topo C* in the corresponding plat package for each well for the location of existing wells within a 1-mile radius.

4.2 Location of Proposed Central Facility

EOG proposes a central facility be located within Section 8, T9S-R23E, on Federal Lease UTU-80939 to accommodate production facilities. See *Figure #3, Facilities* diagram, included in the corresponding plat

East Chapita 8 NESW Surface Use Plan of Operation

package identifying the proposed central facility layout. Facilities would be located on the disturbed portion of the pad and at a minimum of 25 feet from the toe of the back slope.

The central facility pad would be built to house production for up to 59 wells. Production from the wells as referenced within *Table 4-1* would be surface commingled into a common central facility, located within a common Federal lease UTU-80939. Surface Commingling and offsite measurement approval would not be required.

Table 4-1 Pads and Well Accommodated by the Central Facility

Pad Name	Well Name	Lease
East Chapita 8 NWSE	East Chapita 122-08D East Chapita 123-08D East Chapita 124-08D East Chapita 125-08D East Chapita 130-08D East Chapita 131-08D East Chapita 132-08D East Chapita 133-08D East Chapita 138-08D East Chapita 139-08D East Chapita 144-08D East Chapita 145-08D	UTU-80939
East Chapita 8 SENE	East Chapita 204-08D East Chapita 205-08D East Chapita 206-08D East Chapita 207-08D East Chapita 212-08D East Chapita 213-08D East Chapita 214-08D East Chapita 215-08D East Chapita 220-08D East Chapita 221-08D East Chapita 222-08D East Chapita 223-08D East Chapita 228-08D East Chapita 229-08D East Chapita 230-08D East Chapita 231-08D	UTU-80939
East Chapita 8 SENW	East Chapita 200-08D East Chapita 201-08D East Chapita 202-08D East Chapita 203-08D East Chapita 208-08D	UTU-80939

East Chapita 8 NESW Surface Use Plan of Operation

Pad Name	Well Name	Lease
	East Chapita 209-08D East Chapita 210-08D East Chapita 211-08D East Chapita 216-08D East Chapita 217-08D East Chapita 218-08D East Chapita 219-08D East Chapita 224-08D East Chapita 225-08D East Chapita 226-08D East Chapita 227-08D	
East Chapita 8 NESW	East Chapita 118-08D East Chapita 119-08D East Chapita 120-08D East Chapita 121-08D East Chapita 126-08D East Chapita 127-08D East Chapita 128-08D East Chapita 129-08D East Chapita 134-08D East Chapita 135-08D East Chapita 136-08D East Chapita 137-08D East Chapita 141-08D East Chapita 142-08D East Chapita 143-08D	UTU-80939

The proposed central facility will consist of eight to eleven (8-11) 400 – 500 barrel (bbl) tanks. Two to three (2-3) for oil and six to eight (6-8) for produced water, as needed to support oil and water production. Proposed tank counts and configurations are detailed in the *Figure #3, Facilities* diagram and may be subject to change as required to support oil and water production.

A measurement instrumentation building would be placed on the well site to measure well fluids through an orifice plate. The central facility would include three to four (3-4) dehy units, two (2) separators, each with meters used as required for efficient well production and would be changed out as required by production volumes.

There will be two sealed 135-gallon (175-gallon closed containment) chemical tanks designated to each well on the well pad to prevent corrosion.

Once wells are on production, a pumper would visit the location as needed to monitor the production facilities, gauge fluid levels, and ensure that all equipment is functioning properly. Condensate would be hauled by truck and tank gauging would be implemented.

All permanent (on site six months or longer) above ground structures constructed or installed on location and not subject to safety requirements would be painted Carlsbad Canyon, as described in the BLM “Standard Environmental Colors Chart.”

All safety measures have been considered in the design, construction, operation, and maintenance of the central facility. EOG would have a designated representative present during construction. Any accidents to persons or property on federal lands would immediately be reported to the Authorized Officer.

4.3 Central Facility Containment

EOG would install and maintain containment berms constructed around the perimeter of the tank batteries. Containment will be constructed of compacted subsoil, be sufficiently impervious, designed to hold a minimum of 110 percent of the largest tank, and be independent of the back cut.

4.4 Electrification/Generation

Solar panels will be used to operate production measurement instrumentation. Remaining equipment would be powered by generators, to approximately 300 kW, at the central facility. The generators would be fueled by natural gas produced from the wellhead. The noise level from the generator would be approximately 100 dB at 50' dependent on load levels.

4.5 Remote Telemetry

EOG installs and utilizes remote wellhead telemetry at well sites to monitor well and facility operational parameters. Use of telemetry reduces vehicle traffic to the site and thus reduces traffic noise, fugitive dust, and reduces vehicle incidents.

5.0 Production Flowlines and Pipelines

The purpose of the proposed pipelines is to facilitate transport of natural gas produced from the associated wells, Federal Lease UTU-80939, to the central facility located in Section 8, T9S-R23E, then to market for sales. Project pipelines include flowlines for well fluids, gas delivery lines, fresh water, produced water lines and, tracer line for buried pipe. Instrumentation air line may be included in the trenches for control valve regulation. See individual pipeline detail in *Sections 5.1* and *5.2*, and in *Table 5.1* below.

Pipelines will be operated year round and maintained in accordance with industry and government standards. The volume of natural gas is not known at this time.

EOG Resources, Inc. is authorized to operate in the state of Utah with proper documentation filed in the appropriate federal, state, and regional office. EOG Resources, Inc. has demonstrated its financial and technical capabilities to construct, operate, maintain and terminate previous pipelines.

Prior to construction, EOG Resources, Inc. uses rubber tired vehicles to initially survey and flag the centerline of the proposed route, utilizing existing areas of disturbance as much as possible (access roads, other pipelines, etc.).

EOG Resources would install permanent ROW barricades guarding above ground piping (i.e. risers, valves, scrubbers etc). The barricades will be constructed of 4½" diameter (minimum) steel pipe supports. The vertical steel supports will be a minimum of 6 feet tall of which 3 feet will be buried under ground. There will be a minimum of two horizontal cross braces welded to the vertical steel supports. The horizontal cross braces will be made of a minimum of 2" diameter steel and will be above ground.

Standard buried pipeline construction techniques will be used during the project. The right-of-way will be cleared using a grader. Scrub vegetation such as sagebrush, greasewood, grasses, etc., will be scalped and temporarily windrowed along the edge of the ROW. Scalping removes surface vegetation, while allowing the root systems to remain in place thereby reducing potential erosion and allowing more successful re-vegetation. Backhoes or trenching machines are used to excavate a pipeline trench. The

soil that is excavated during ditching operations is temporarily stockpiled on the non-working side of the trench. Trenches will not be left open longer than 48 hours if possible and soft plugs will be installed every ¼ mile when the trench is left open overnight.

The pipe will be strung along the trench and fused (poly) or welded (steel) prior to being lowered into the trench. Buried steel lines would be coated with 16 to 20 mil of fusion bonded epoxy coating. Individual joints of pipe would be strung along the right of way adjacent to the excavated ditch and arranged so they are accessible to construction personnel. The pipe assembly would be lowered into the trench by the side-boom tractors. Tracer wire would be installed in the ditch with the 8" HDPE (High Density Polyethylene) SDR 9 for future locating purposes. The welded steel connections are then visually or radiographically inspected in accordance with American Petroleum Institute Standards (API).

The pipe would be buried a minimum of 78" (6' plus the diameter of the pipe) deep with the exception of areas where rock is encountered which requires ripping or shooting.

The trench is back filled and packed using backfilling or bladed equipment: no foreign materials are permitted in the trench. These same procedures are used when crossing dirt and gravel roads. The pipeline will be at a minimum of six feet (6') deep under all roads. Where applicable, the pipeline would be placed as close to the road as safely possible. The proposed pipeline cannot be installed in the barrow ditch and at least 5 feet is required from the edge of the road. When paralleling a power line, EOG Resources, Inc. must stay a minimum of 10 feet away from centerline. If crossing over or under a power line this is considered an encroachment and would be handled accordingly. All construction equipment and vehicles shall be confined to using existing roads and the right of way.

Surface disturbing activities will be confined within the right-of-way. All construction and maintenance activities shall cease when soils or road surfaces are frozen or become saturated, such that construction equipment is unable to stay within the right-of-way, and before activities cause irreparable harm to roads, soils, or excessive siltation of live flowing streams.

Table 5-1 Project Pipeline Technical Detail

Line	Buried/ Surface	Specifications	Length (ft)
Well Fluids	Buried	8" flex steel flowline, 0.83 wall thickness, rated to 1500 psi	1,082
HP Gas Delivery	Buried	4" flex pipe, 0.6 wall thickness, rated to 1500 psi	1,082
Produced Water Line	Buried	8" 8.625" OD 0.958" wt, SDR9 HDPE, ANSI 150, MAWP 200 psig	13,875*
Gas	Surface	8" Schedule 20 ERW, 0.25 wt, Grade B or equivalent, 1014 MAWP	16,205
Tracer	Buried	12 gauge shielded copper tracer wire	13,875*
Instrumentation Air Line	Buried	2" Poly SDR 9	13,875*

* The distance from source to central facility, 12,793' plus the distance from the well pad to the central facility 1,082'.

5.1 Well Pad Pipelines

The pipelines for wells associated with the *East Chapita 8 NESW* pad would follow adjacent the well pad access road, intersect with and then follow the central facility pad's access road as described in *Topo B* and in *Section 3.0*. The total length of the trench from the well pad to the central facility pad to accommodate the pipelines would be approximately 1,082 feet. See *East Chapita 8 NESW, Topo D*.

The trenches between the well pad, as described in *Table 4.1* and the central facility would accommodate one 8" flex steel flowline, 0.83 wall thickness, rated to 1500 psi, for well fluids; one 4" flex pipe, 0.6 wall thickness, rated to 1500 psi, gas delivery line for gas lift; one 2" poly instrumentation air –line for control valve regulation (if used); and, one 12 gauge shielded copper tracer wire.

5.2 Central Facility Pipelines

The central facility would serve the fifteen (15) proposed wells on the *East Chapita 8 NESW* pad and 44 additional anticipated wells as described in *Table 4.1* above. An 8" poly buried pipeline would transport produced water from the central facility to federally authorized underground disposal facilities. The line may also be used to delivery recycled water to the central facility for future completions operations (see *Table 8.1*); a 4" flex pipe surface gas pipeline would transport gas from the central facility to market; one 2" poly instrumentation air –line may be used for control valve regulation (if used); and, one 12 gauge shielded copper tracer wire.

5.2.1 Surface Gas Pipeline

The purpose of the proposed surface gas pipeline is to transport of natural gas from the central facility located in Section 8, T9S-R23E (Federal Lease UTU-80939) to market for sales.

EOG proposes to install an 8" Schedule 20 ERW, 0.25 wall thickness, Grade B or equivalent, 1014 MAWP, gas pipeline. It would be installed and pressure tested hydrostatically to a minimum of 300 psi and maximum of 300 psi for a four (4) hour test period.

The length of the proposed surface gas pipeline would be 16,205'. It would lay within a 30' right-of-way (15' on each side of the centerline) as depicted in the attached *Gathering Pipeline Map, Topo D1* and disturb approximately 11.160 acres, more or less. (See disturbance *Tables 2-1* and *2-2*.)

The proposed surface gas pipeline leaves the NW edge of the central facility pad on Federal Lease UTU-80939, in Section 8, T9S-R32E, proceed in a west, southwesterly direction for 2,225', enter the in the NESE of Section 7, T9S-R22E, located on Federal Lease UTU-0343 within the Chapita Wells Unit UTU-63013, proceed west, southwesterly, for 5,666', enter in the SESE Section 12, T9S-R22E, located on Federal Lease UTU-0281, within the Chapita Wells Unit UTU-63013, proceed southwest for 1,261', enter from the north in the NENE of Section 13, T9S-R22E, located on Federal Lease UTU-0282, within Chapita Wells Unit UTU-63013, proceed southerly, then easterly for 1,577', enter Lot 1, proceed south into Lot 2 of Section 18, T9S-R23, located on Federal Lease UTU-0337, within Chapita Wells Unit UTU-63013, for 1,022', proceed south and westerly into the NESW of Section 13, T9S-R22E, located on Federal Lease UTU-0282, within the Chapita Wells Unit UTU-63013 for 4,454', there tying into an existing pipeline.

5.2.2 Buried Produced Waterline

The purpose of the proposed buried pipeline is to transport produced water from wells on the *East Chapita 8 NESW* pad and anticipated wells as described in *Table 4.1* through the *East Chapita Section 8 Central Facility* to EOGs existing produced water facilities within Section 16, T9S-R23E, authorized under Special Use Lease 1549 with *State of Utah School Institutional Trust Lands Administration* (SITLA), then to Federally authorized disposal wells (see *Table 8-1*). The pipeline will be operated year round and be maintained in accordance with industry and government standards. The volume of produced water is estimated to be 90 bbls per day, more or less.

EOG proposes to install a permanent eight inch (8") 8.625" OD 0.958"wt, SDR9 HDPE, ANSI 150, MAWP 200 psig buried pipeline approximately 12,793 feet in length. It would be installed and pressure tested hydrostatically to a minimum of 300 psi and maximum of 350 psi for a four (4) hour test period.

The length of the proposed buried produced water pipeline would be 12,793 feet. It would lay within a 30 foot permanent ROW (15' on each side of the centerline) as depicted in the attached *Gathering Pipeline Map, Topo D2*. Initial disturbance for the proposed ROW will be approximately 14.684 acres, more or less and is requested for a period of 90 days from the beginning of construction. Thereafter the final disturbance will be approximately 8.811 acres, more or less (12,793 by 30 feet wide). (See disturbance *Tables 2-1* and *2-2*.)

The proposed buried produced waterline would leave the NE edge of the central facility pad on Federal Lease UTU-80939, in Section 8, T9S-R32E and proceed in an easterly direction adjacent and on the south side of Class D, County Road, Coyote Wash, through Section 9, T9S-R32E, also Federal Lease UTU-80939, for 9,036', entering the NWSW of Section 10, T9S-R32E, Federal Lease UTU-72634, proceeding southeast along the west side of Class D, County Road, Coyote Wash, then transitioning west for 1,049', proceeding into the SESE of 9, T9S-R32E, Federal Lease UTU-67868, west and then south for 2,174', entering onto State Lands the NENE of Section 16, T9S-R32E, proceeding south 534' and there tying into the eastern an existing pipeline in the NENE of Section 16, T9S- R23E.

6.0 Location and Type of Water Supply

Water for drilling and completions would be obtained from a combination of two permitted sources. Sources and storage locations are detailed in *Table 6-1*. Water would be transported through EOGs temporary fresh water surface line to be laid completely within Uintah County Rights-of-Way.

Table 6-1 EOG Permitted Water Storage Locations

Facility	Legal Description
Bonanza Power Plant (State Water Right #49-225 (A31368)	Section 26, T8S, R23E
Bonanza Power Plant Cooling Ponds	Section 26, T8S, R23E

A water supply well would not be drilled as part of development activities included within the project area.

During the drilling stages, 1,000 to 5,000 barrels of water would be used. During the completions stages 20,000 to 25,000 bbls of water would be used. Actual volumes used would depend upon wellsite conditions/planning during operations. Fresh water would be transported by through a temporary fresh water surface line from existing water sources as described in *Table 6-1*.

EOG would recycle flowback and produced water to use in future completion operations. Thereafter it would be piped and disposed as described in Section 8.0 below. Water to be recycled would be transported via pipe from the well to the central facility, filtered, cleaned and treated there. From the central facility the recycled water would be piped to the next well for completion operation of those wells.

7.0 Source of Construction Materials

Any construction materials that may be required for surfacing of the well pad and access roads will be obtained from a contractor having a permitted source of materials within the general area.

8.0 Methods of Handling Waste Disposal

Fracture stimulation fluids and produced water would be stored in 20 to 30 above ground tanks on location, then transported via the proposed and existing produced water transportation pipeline and disposed at one of the facilities shown below in *Table 8-1*.

Table 8-1 Authorized Disposal Sites

Disposal Well	Legal Location	Authorization
Coyote 1-16 SWD	SENE Section 16, T9S, R23E	SUL A-1549, EPA UT21065-08747
CWU 2-29 SWD	NENW Section 29, T9S, R23E	UTU-835038, EPA UT21049-07108
Hoss 901-36 SWD	NESE Section 36, T8S, R22E	UTU-86010, EPA UT21157-07865
Hoss 903-36 SWD	NWSE Section 36, T8S, R22E	UTU-86010, EPA UT21157-07866
Hoss 904-36 SWD	NESW Section 36, T8S, R22E	UTU-86010, EPA UT21157-07867
Hoss 905-31 SWD	SESW Section 31, T8S, R23E	UTU-86010, EPA UT21157-07868
Hoss 906-31 SWD	NESE Section 31, T8S, R23E	UTU-86010, EPA UT21157-07869
Hoss 907-31 SWD	SESE, Section 31, T8S, R23E	UTU-86010, EPA UT21157-07870

No cuttings or completions pits would be used for any of the proposed wells. Fresh water based cuttings and and/or solids generated by drilling and completion operations will be remediated onsite as per the authorized officer and *UDOGM Environmental Handbook, Version 1.0 1-96* (hereinafter referenced as the *Handbook*).

The *Handbook* provides a guide for managing waste and remedial efforts respective to oil and gas exploration and production activities. It defines wastes, cleanup and abandonment standards for materials and waste to facilitate a determination of responsible and available management options; from waste disposal to remediation and reuse. This is allowed through the identification and definition of standards and ranges for waste and remediation respective to environmental conditions (ex. soil type, distance to groundwater) see *Table 8-2* below and the potential for exposure to sensitive environments or receptors.

The *Handbook* provides a workflow for uniform assessment, including sample collection and analysis, of sites and waste with regard to the sensitivity of a site relative to environmental impact. This impact is evaluated via a ranking system which classifies the sensitivity of a site from Level I to Level II. Level I defines a site as being the most sensitive and therefore restrictive and protective of the surrounding environment meaning most stringent remediation criteria and aggressive requirements for implementation of best management practices to control fate and transport.

A general summary of the standards are provided in *Table 8-2* below; however, to review all parameters and conditions included in evaluating site or waste characteristics refer to the *Handbook*. The *Handbook* is a multiagency collaboration (UDOGM, UDEQ and BLM) which provides the opportunity for common waste under the context of a single or multiple agency purview. Cuttings and solids remediated to acceptable levels and standards specified within the *Handbook* (general summary provided in table below) may be used as beneficially reused as construction materials respective to the subject location. Examples of beneficial use may include but are limited to: containment berms, flow line bedding, road base for access roads and spread on the well pad surface. Cuttings and solids which do not meet or cannot be treated to meet the acceptable levels and standards will then be managed through disposal at an approved treatment, storage or disposal facility.

Table 8-2 Summary of Acceptable Levels and Ranges for Waste and Remediation

Parameter	Acceptable Level or Range	Unit of Measure
Electrical Conductivity (EC)	4	mmho/cm
Total Dissolved Solids (TDS)	2560	mg/l
Sodium Adsorption Ratio (SAR)	<12	-
Exchangeable Sodium Percentage (ESP)	< 15%	-
TCLP Metals (RCRA 8)	Individually Assessed	Varied
Total Petroleum Hydrocarbons (low sensitivity sites); above background concentrations	10,000	ppm
Total Petroleum Hydrocarbons (high sensitivity sites); above background concentrations	30 to 10,000	ppm
Benzene	0.005	ppm

Note: Standards and levels are established considering fate and transport of a given parameter; considering factors of attenuation and persistence.

Table 8-3 Summary of Environmental Parameters in Determining

Criteria
Distance from Contamination to Groundwater
Native Soil Type
Annual Precipitation
Distance to Nearest Municipal Water Well
Distance to Other Water Wells
Distance to Surface Waters
Potentially Affected Populations
Presence of Onsite or Adjacent Utility Conduits

Cuttings will be used within the containment berms and spread on the well pad and access road, excess volumes will be disposed of at an authorized site.

All garbage and non-flammable waste materials would be contained in a self-contained, portable dumpster or trash cage. Upon completion of operations, or as needed, the accumulated trash would be transported to a state approved waste disposal site.

Portable, self-contained chemical toilets would be provided for human waste disposal. Upon completion of operations, or as required, the toilet holding tanks would be pumped and the contents thereof would be disposed of in an approved sewage disposal facility. All state and local laws and regulations pertaining to disposal of human and solid waste would be complied with.

Immediately after drilling operations are completed, all debris and other waste materials not contained in the trash cage would be cleaned up and removed from the location and transported to a state approved waste disposal site. No potentially adverse materials or substances would be left on the location.

Siphons, catchments, drip pans, and absorbent pads would be utilized if necessary for any hydrocarbons that may be produced by the drilling and/or completion operations. Hydrocarbons, contaminated pads, and chemicals would be disposed of at an authorized disposal site.

EOG would maintain a file, per 29 CFR 1910.1200 (g) containing current Materials Safety Data Sheets (MSDS) for all chemicals, compounds, and/or substances which are used during the course of construction, drilling, completion, and production operations for this project. Hazardous materials (substances) which may be found at a site may include:

- Drilling mud and cementing products which are primarily inhalation hazards.
- Fuels (flammable and/or combustible), materials that may be necessary for well completion/stimulation activities.
- Combustible substances and acids/gels (corrosives).

The potential for Superfund Amendments and Reauthorization Act (SARA) listed Extremely Hazardous Substances (EHS) at a site is generally limited to proprietary treating chemicals. All hazardous, EHS, and commercial preparations would be handled in an appropriate manner to minimize the potential for leaks or spills.

9.0 Ancillary Facilities

No ancillary facilities are anticipated.

10.0 Well Site Layout

See corresponding plat packages identifying proposed drill pad layouts, cross sections and cut and fills in relation to topographic features, access onto the pad, and soil stockpiles.

All equipment and vehicles would be confined to the approved disturbed areas as shown on figures in the plat packages (i.e., access road, well pad, and spoil and topsoil storage areas).

EOG utilizes **closed loop systems**. No cuttings or completions pits would be utilized.

A closed loop system would consist of above ground tanks to contain drill cuttings and 8 to 12—500 bbl tanks to contain drilling and completion fluids. Liners would be installed under mud tanks and any tanks used for the storage of cuttings.

Drill cuttings would be separated from the drilling mud by a shale shaker and spread out along one side of the well pad to dry. Following completion of all drilling operations, the water-based cuttings would be remediated on-site and used in berms, for the traffic areas of the well pad, on access roads, and the central facility pad. Any remaining cuttings would be disposed of at an approved waste facility.

Siphons, catchments, drip pans, impervious liners, and absorbent pads would be installed to keep hydrocarbons produced by the drilling and/or completion rigs from entering the closed loop system. Hydrocarbons and contaminated pads would be disposed of in accordance with Utah DEQ requirements.

11.0 Plans for Reclamation of the Surface

EOG would implement the EOG Resources, Inc., *Reclamation Plan*, dated October 19, 2009 (copy attached).

Figure #4, *Production Facility Layout Diagram* in the attached plat package illustrates the surface area to be reclaimed upon completion of the last well on the pad, as interim reclamation.

12.0 Surface Ownership

The BLM owns the surface of the proposed well pad, central facility and the associated access roads and pipeline routes, excepting that portion of the produced water pipeline which enters into Section 16, R9S-R23E and is owned by the SITLA.

See itemized list below in *Table 12-1* and refer to corresponding plat packages for location descriptions of proposed well sites, and all lands crossed by roads requiring new construction or upgrades.

Table 12-1 Surface Owners across the Project Area

Pad/Access	(QQ) S-T-R	Surface Owner	Lease or ROW No(s).
East Chapita 8 NWSE	NWSE, Sec. 8, T9S-R23E	BLM	UTU-08939
East Chapita 8 SENE	SENE, Sec. 8, T9S-R23E	BLM	UTU-08939
East Chapita 8 SENW	SENW, Sec. 8, T9S-R23E	BLM	UTU-08939
East Chapita 8 NESW	NESW, Sec. 8, T9S-R23E	BLM	UTU-08939
East Chapita 8 Central Facility Pad	SENW, NESW, SWNE, NWSE, Sec. 8, T9S-R23E;	BLM	UTU-08939
Pipeline	(QQ) S-T-R	Surface Owner	Lease or ROW No(s).
East Chapita 8 Central Facility Gas Pipeline	S2NW, NWSW, Sec. 8, T9S-R23E S2, Sec. 7, T9S-R23E; SESE, Sec. 12-T9S-R22E; NENE, S2NE, NWSE, E2SW, Sec. 13, T9S-R22E; L2, L2, Sec. 18, T9S-R23E	BLM	UTU-08939 UTU-0343 UTU-0281 UTU-0282 UTU-0337
East Chapita 8 Central Facility Produced Water Pipeline	S2NE, Sec. 8, T9S-R23E; S2N2, NESE, SESE, Sec. 9, T9S-R23E; W2SW, Sec. 10, T9S-R23E; NWNE, Sec. 16, T9S-R23E*	BLM *SITLA	UTU-08939

13.0 Other Information

All lease and/or unit operations would be conducted in full compliance is with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice of

Lessees. The Operator is fully responsible for the actions of its subcontractors. A complete copy of the approved APD would be furnished to the field representative(s) to assist in compliance and shall be on location during construction and drilling operations.

EOG would inform all persons in the area who are associated with this project that they may be subject to prosecution for knowingly disturbing historic or archaeological sites or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator would immediately stop work that might further disturb such materials and contact the Authorized Officer. If the operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the Authorized Officer would assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator would be responsible for mitigation costs. The Authorized Officer would provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the Authorized Officer that required mitigation has been completed, the operator would then be allowed to resume construction.

In addition to the **Best Management Practices** (BMPs) listed within this SUPO, the following additional BMPs may be used when practical on the existing well pad and access road:

- Straw wattles, diversionary berms ditches, channels, and/or erosion control matting would be installed as needed to reduce erosion and runoff impacts.
- Culverts and rip rap of culvert aprons would be installed as needed reduced soil erosion.
- Gravel would be used along access routes minimizing fugitive dust.
- Safety turnouts every 500 to 800 feet as needed.
- Fresh water and/or magnesium chloride as required for dust abatement,
- Telemetry for remote field monitoring reducing truck traffic.
- Freshwater would be transported via temporary fresh water surface lay flat line minimizing fugitive dust and truck traffic.
- Well pads would be sited in areas to avoid historical properties and/or other sensitive cultural resources.
- Bird screens would be used on all applicable equipment with stacks.
- Multiple wells would be drilled from a single well pad reducing overall surface disturbance within the project area.
- Closed-loop drilling systems would be used during drilling and completion operations.
- Produced water will be transported via buried pipeline to EOGs existing produced water transportation system.

14.0 OPERATOR CERTIFICATION

East Chapita 8 NESW
Township 9 South, Range 23 East, Section 8: NESW, S.L.B.& M.
Uintah County, UT
Lease No.: UTU-08939

OPERATOR:

EOG Resources, Inc.
600 17th Street, Suite 1000N
Denver, CO 80202
(303) 572-9000

I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.


Returned Unapproved

By: Barbara Griswold, Sr. Regulatory Specialist

Executed this 28th day of July, 2016.

REPRESENTATIVE:

Barbara Griswold
Sr. Regulatory Specialist
EOG Resources, Inc.
600 17th Street Suite 1000N
Denver, CO 80202
(720) 934-1587 (mobile)
(303) 262-9894 (office)
Barbara_griswold@eogresources.com

15.0 SELF-CERTIFICATION STATEMENT FROM LESSEE / OPERATOR

SURFACE OWNER IDENTIFICATION: BLM, Federal Lease No. UTU-08939

PERMITTING AGENT

EOG Resources, Inc.
Barbara Griswold
600 17th Street, Suite 1000N
Denver, CO 80202
(303) 262-9894

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to insure compliance.

Please be advised that EOG Resources, Inc. is considered to be the operator of all fifteen wells situated on the *EAST CHAPITA 8 NESW* well pad, located in the NESW, of Section 8, T9S, R23E, S.L.B.M., Uintah County, Utah, Federal land and minerals; and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond Coverage is under Bond # NM 2308.

The operator or his/her contractor shall contact the BLM office at (435) 781-4400 forty-eight (48) hours prior to construction activities.

Signed this 28th day of July, 2016.

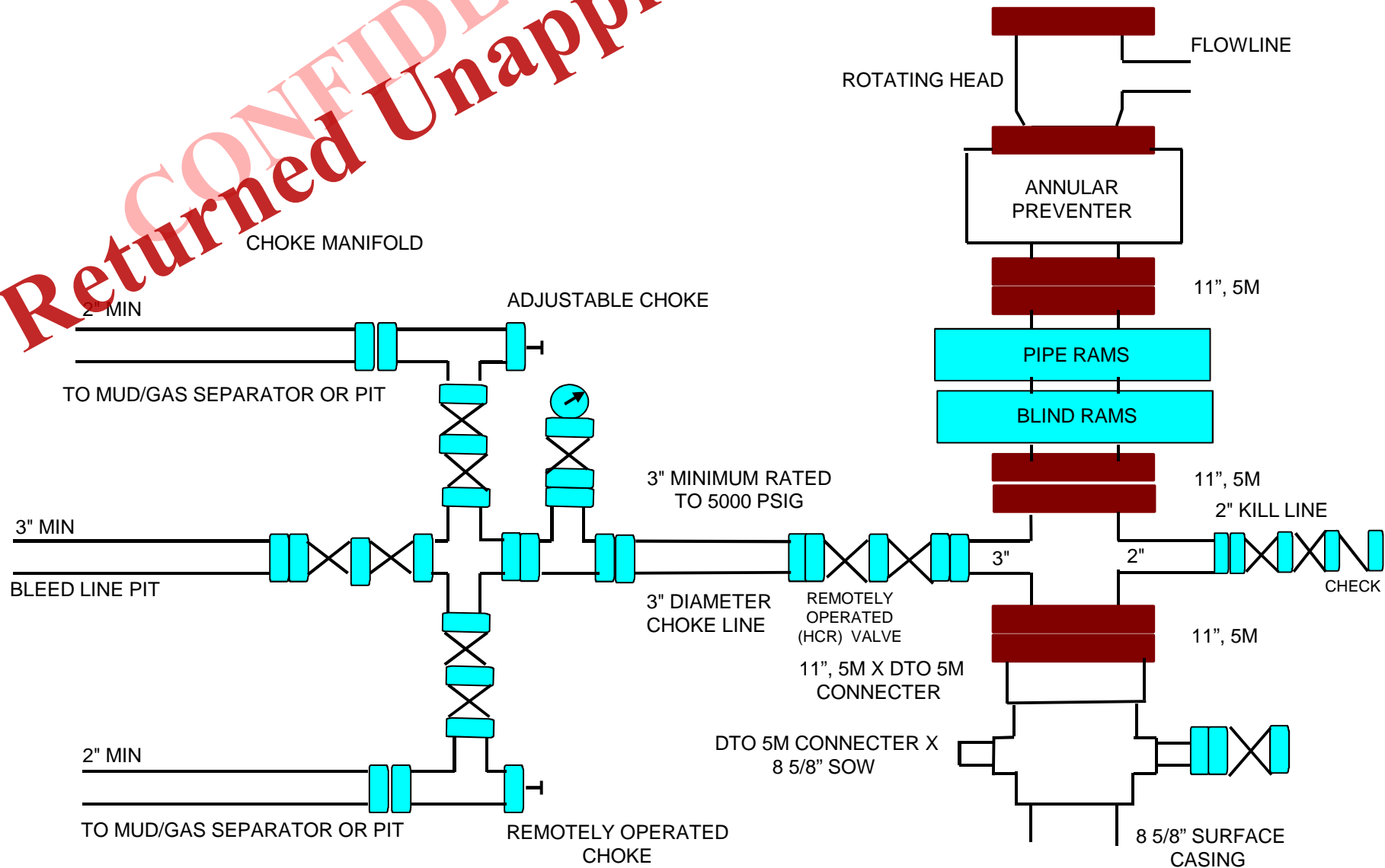
EOG Resources, Inc.



By: Barbara Griswold, Sr. Regulatory Specialist

5000 PSIG BOP & CHOKE DIAGRAM

ANNULAR PREVENTER AND BOTH RAMS ARE 5000 PSIG RATED.



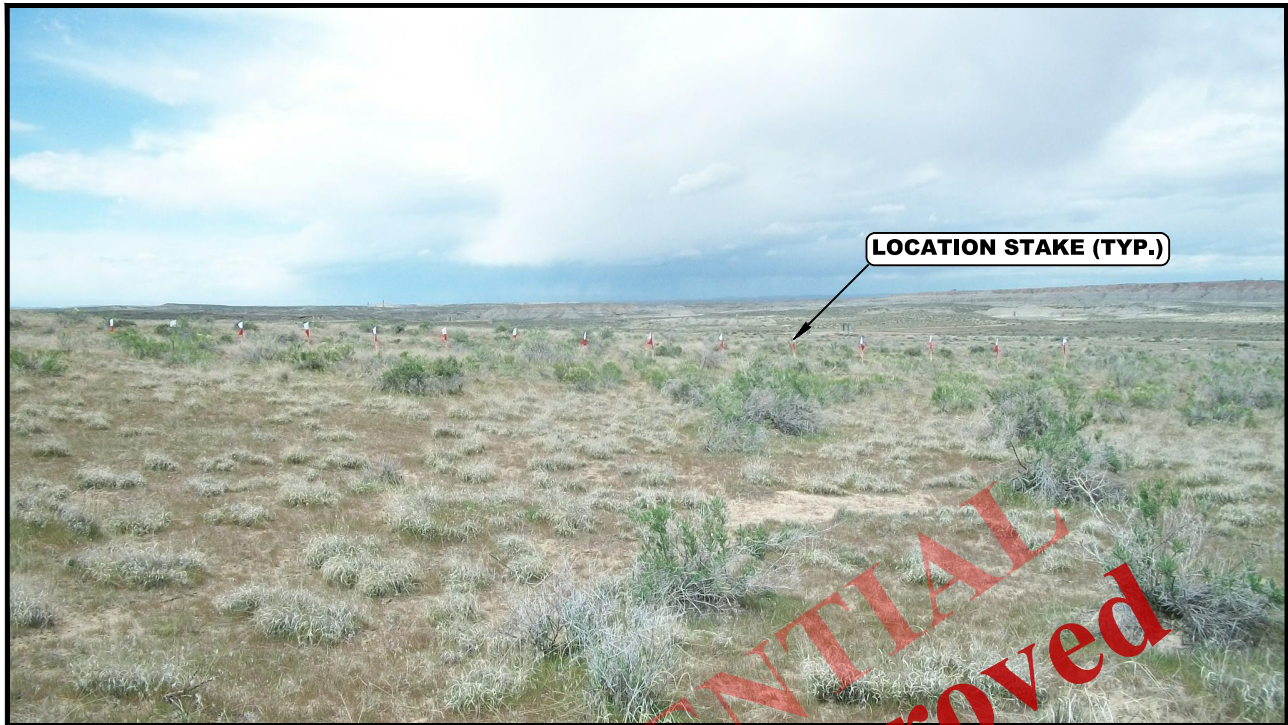


PHOTO: VIEW OF LOCATION STAKES

CAMERA ANGLE: WESTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHWESTERLY

EOG RESOURCES, INC.

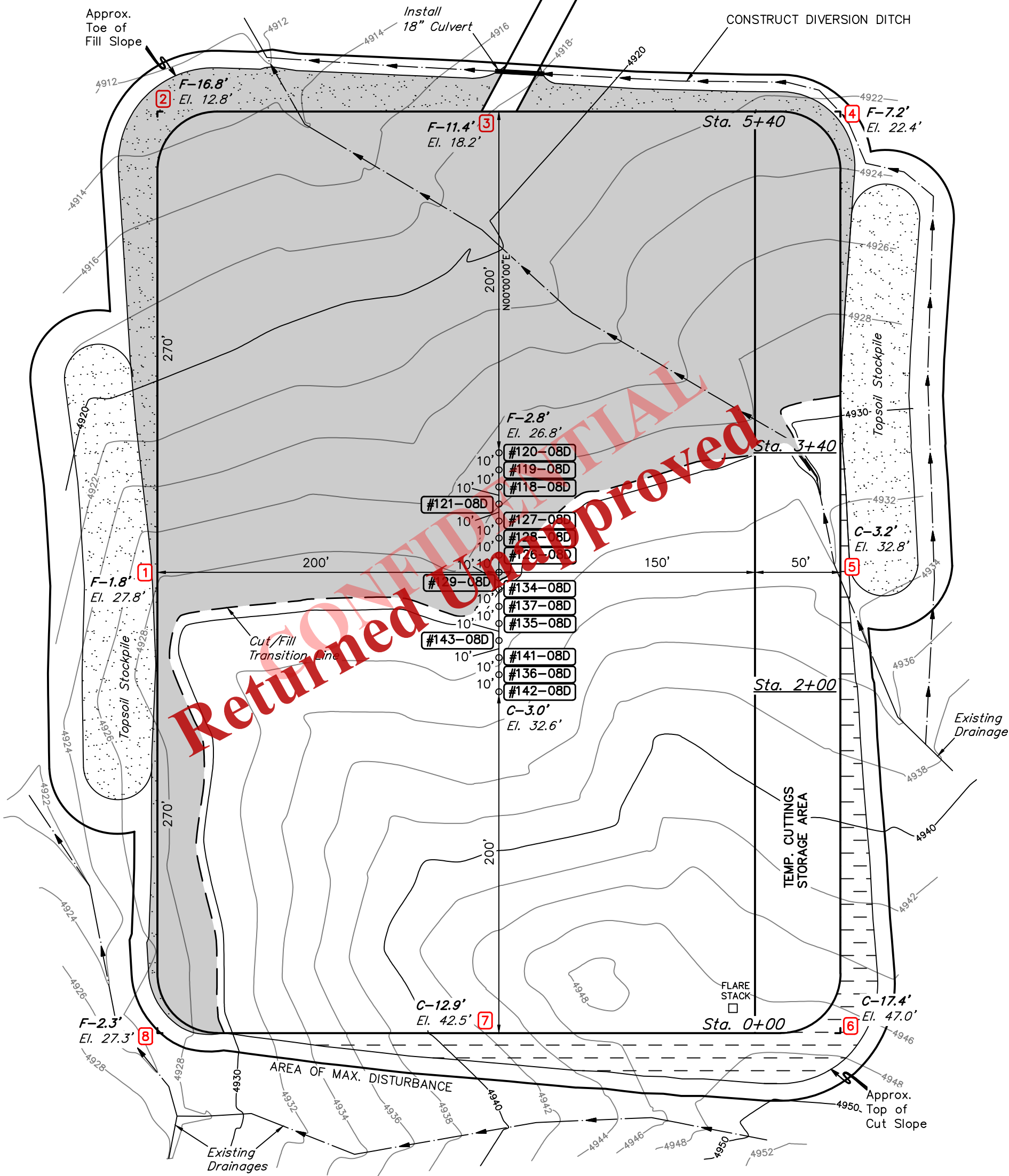
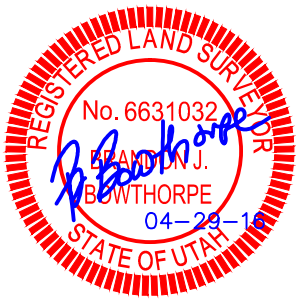
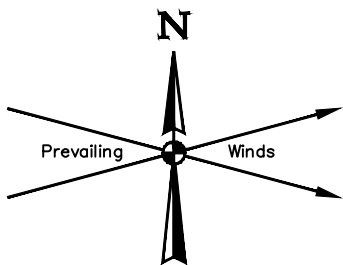
EAST CHAPITA 8 NESW
NE 1/4 SW 1/4, SECTION 8, T9S, R23E, S.L.B.&M.
UINTAH COUNTY, UTAH

TAKEN BY	C.R., B.H.	04-25-16	
DRAWN BY	J.M.C.	04-27-16	
LOCATION PHOTOS			PHOTO



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Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

Received: August 25, 2016



FINISHED GRADE ELEVATION = 4929.6'

NOTE: Earthwork Calculations Require a Fill @ some of the Location Stakes For Balance. All Fill is to be Compacted to a Minimum of 95% of the Maximum Dry Density Obtained by AASHTO Method t-99.

- NOTES:
- Flare Stack is to be located a min. of 100' from the wellhead.
 - Round corners at 35' radius or as needed.
 - Construct diversion ditches as needed.
 - Contours shown at 2' intervals.
 - Cut/Fill slopes 1 1/2:1



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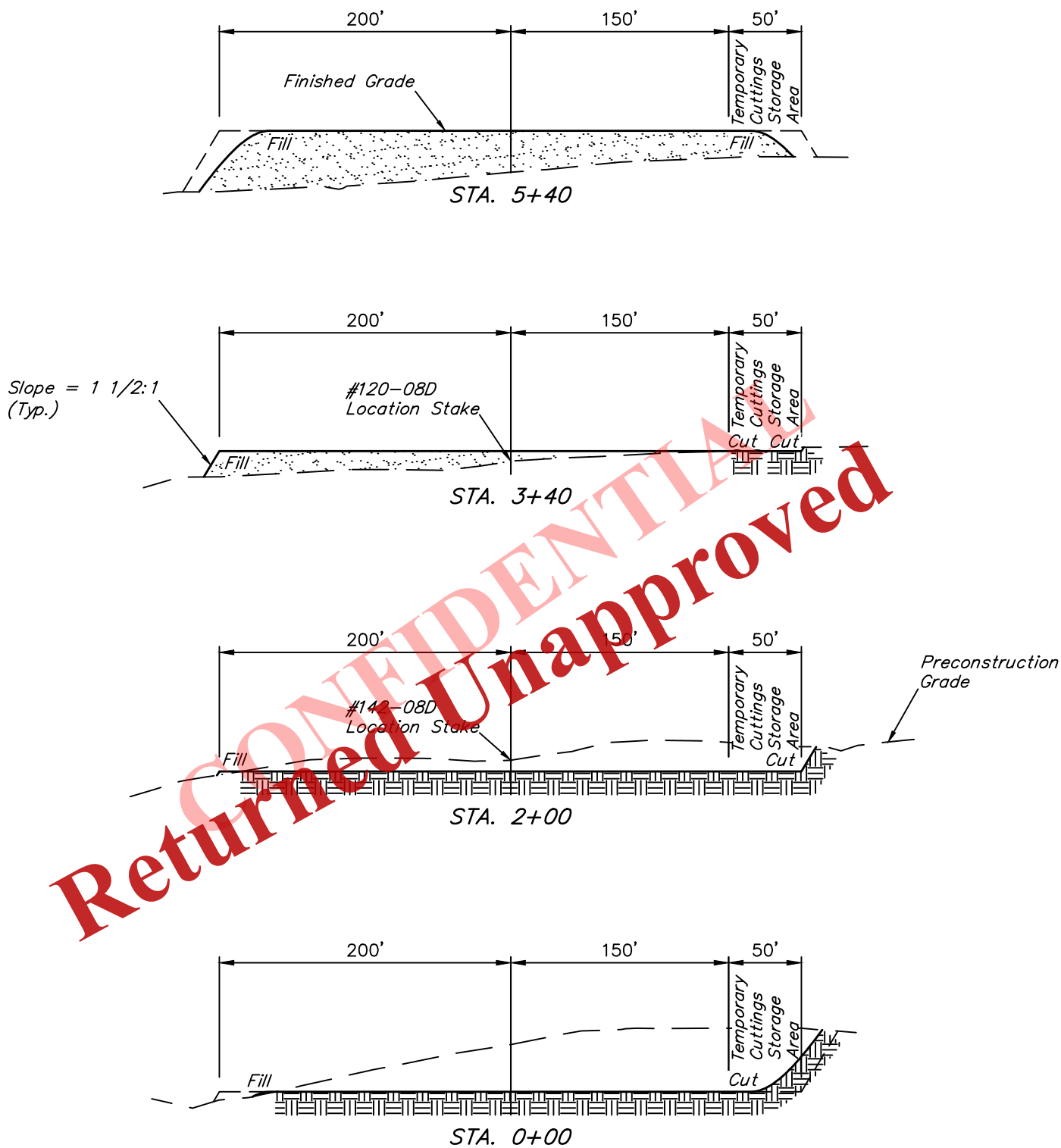
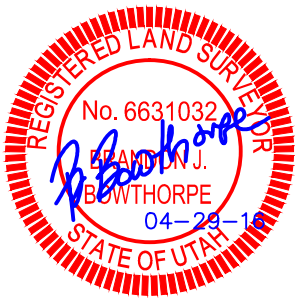
EOG RESOURCES, INC.

EAST CHAPITA 8 NESW
NE 1/4 SW 1/4, SECTION 8, T9S, R23E, S.L.B.&M.
UINTAH COUNTY, UTAH

SURVEYED BY	J.F., M.P.	04-25-16	SCALE
DRAWN BY	J.P.	04-27-16	1" = 60'
LOCATION LAYOUT			FIGURE #1

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1" = 40'
X-Section
Scale
1" = 100'



APPROXIMATE EARTHWORK QUANTITIES	
(6") TOPSOIL STRIPPING	4,440 Cu. Yds.
REMAINING LOCATION	30,810 Cu. Yds.
TOTAL CUT	35,250 Cu. Yds.
FILL	30,810 Cu. Yds.
EXCESS MATERIAL	4,440 Cu. Yds.
TOPSOIL	4,440 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	0 Cu. Yds.

APPROXIMATE SURFACE DISTURBANCE AREAS		
	DISTANCE	ACRES
WELL SITE DISTURBANCE	NA	±6.582
30' WIDE ACCESS ROAD R-O-W DISTURBANCE	±1,074'	±0.740
30' WIDE PIPELINE R-O-W DISTURBANCE	±1,082'	±0.745
TOTAL SURFACE USE AREA		±8.067

- NOTES:**
- Fill quantity includes 5% for compaction.
 - Calculations based on 6" of topsoil stripping.
 - Cut/Fill slopes 1 1/2:1

EOG RESOURCES, INC.

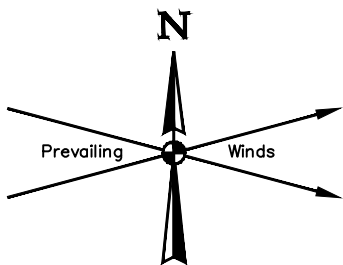
**EAST CHAPITA 8 NESW
NE 1/4 SW 1/4, SECTION 8, T9S, R23E, S.L.B.&M.
UINTAH COUNTY, UTAH**

SURVEYED BY	J.F., M.P.	04-25-16	SCALE
DRAWN BY	J.P.	04-27-16	AS SHOWN
TYPICAL CROSS SECTIONS		FIGURE #2	



UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

Received: August 25, 2016



Proposed
Access Road

Returned **UNAPPROVED**

- #120-08D
- #119-08D
- #118-08D
- #121-08D
- #127-08D
- #128-08D
- #126-08D
- #129-08D
- #134-08D
- #137-08D
- #135-08D
- #143-08D
- #141-08D
- #136-08D
- #142-08D

LEGEND:		ACRES
<div></div>	WELL SITE PRODUCTION PAD AREA	±2.256
<div></div>	WELL SITE DISTURBANCE AREA (TO BE RECLAIMED)	±4.326
<div></div>	30' WIDE PROPOSED ACCESS ROAD RIGHT-OF-WAY	±0.740



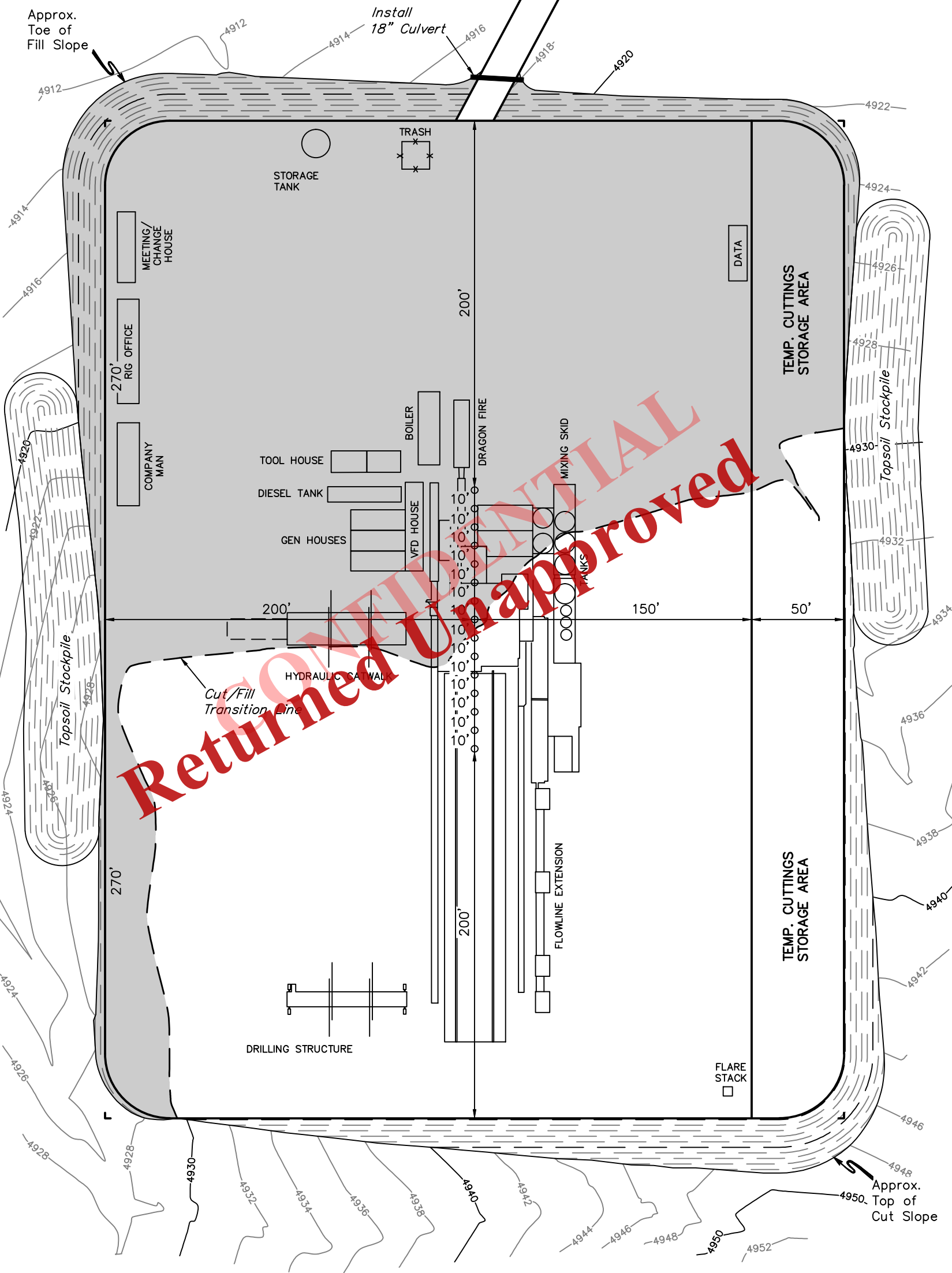
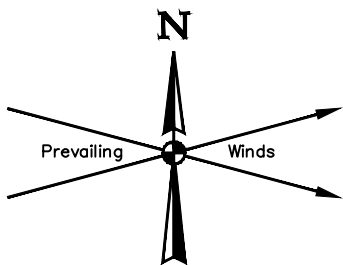
UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

EOG RESOURCES, INC.

EAST CHAPITA 8 NESW
NE 1/4 SW 1/4, SECTION 8, T9S, R23E, S.L.B.&M.
UINTAH COUNTY, UTAH

SURVEYED BY	J.F., M.P.	04-25-16	SCALE
DRAWN BY	J.P.	04-27-16	1" = 60'
ACREAGE			EXHIBIT I

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NOTES:

- Flare pit is to be located a min. of 100' from the wellhead.
- Contours shown at 2' intervals.



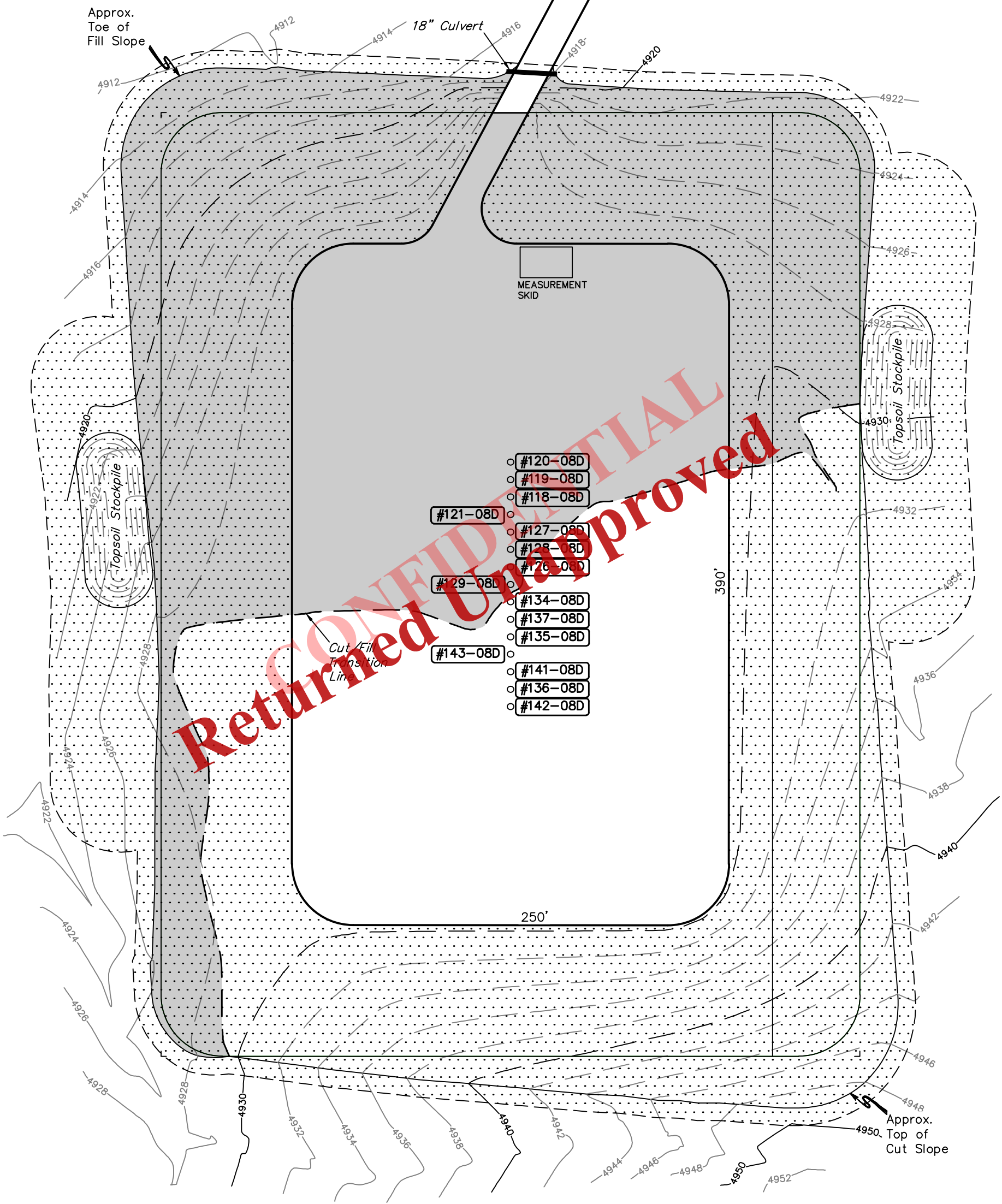
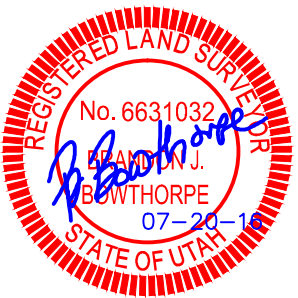
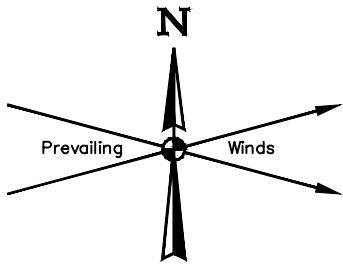
UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

EOG RESOURCES, INC.

EAST CHAPITA 8 NESW
NE 1/4 SW 1/4, SECTION 8, T9S, R23E, S.L.B.&M.
UINTAH COUNTY, UTAH

SURVEYED BY	J.F., M.P.	04-25-16	SCALE
DRAWN BY	J.P.	04-27-16	1" = 60'
TYPICAL RIG LAYOUT			FIGURE #3

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LEGEND:
Reclaimed Area

APPROXIMATE PRODUCTION PAD ACREAGE = ±2.256 ACRES
APPROXIMATE RECLAIMED AREA ACREAGE = ±4.326 ACRES
TOTAL ACREAGE = ±6.582 ACRES

NOTES:
• Contours shown at 2' intervals.

REV: 1 07-20-16 C.D.L. (GRAMMAR CHANGE)

EOG RESOURCES, INC.

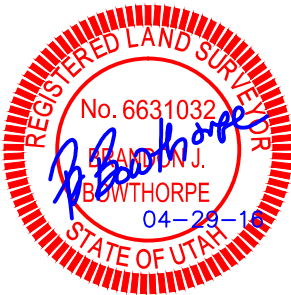
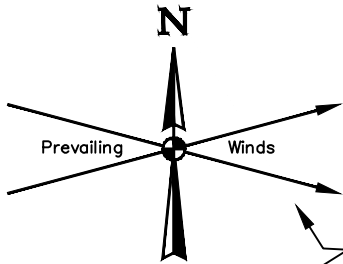
EAST CHAPITA 8 NESW
NE 1/4 SW 1/4, SECTION 8, T9S, R23E, S.L.B.&M.
UINTAH COUNTY, UTAH

SURVEYED BY	J.F., M.P.	04-25-16	SCALE
DRAWN BY	J.P.	04-27-16	1" = 60'
PRODUCTION FACILITY LAYOUT		FIGURE #4	

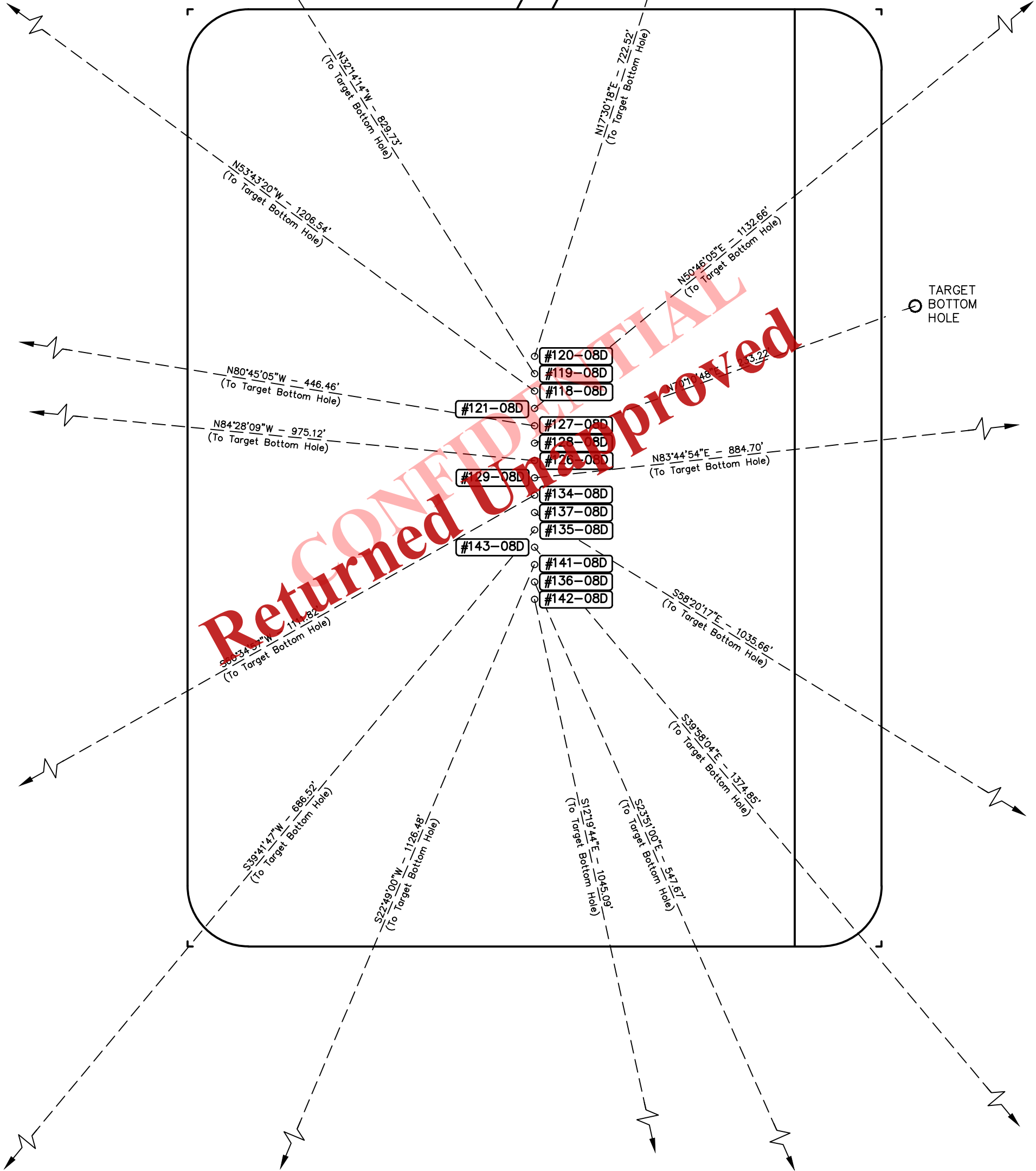


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Received: August 25, 2016



Proposed
Access Road



EOG RESOURCES, INC.

EAST CHAPITA 8 NESW
NE 1/4 SW 1/4, SECTION 8, T9S, R23E, S.L.B.&M.
UINTAH COUNTY, UTAH

SURVEYED BY	J.F., M.P.	04-25-16	SCALE
DRAWN BY	J.P.	04-27-16	1" = 60'
MULTI-WELL PLAN			FIGURE #5



UELS, LLC
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Vernal, UT 84078 * (435) 789-1017

Received: August 25, 2016

PROCEED IN A SOUTHWESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF THIS ROAD AND STATE HIGHWAY 88 TO THE LEFT; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.3 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND CHAPITA GROVE ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 12.3 MILES TO THE JUNCTION OF THIS ROAD AND GLEN BENCH ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 1.7 MILES TO THE JUNCTION OF THIS ROAD AND FIDLAR ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY, THEN NORTHEASTERLY DIRECTION ALONG FIDLAR ROAD APPROXIMATELY 10.0 MILES TO THE JUNCTION OF THIS ROAD AND COYOTE WASH ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY, THEN WESTERLY DIRECTION APPROXIMATELY 3.0 MILES TO THE BEGINNING OF THE PROPOSED ACCESS ROAD FOR THE EAST CHAPITA SECTION 8 CENTRAL FACILITY TO THE SOUTHEAST; FOLLOW ROAD FLAGS IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 220' TO THE BEGINNING OF THE PROPOSED ACCESS ROAD TO THE SOUTHWEST; FOLLOW ROAD FLAGS IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 1,074' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 58.5 MILES.

REV: 1 05-03-16 J.M.C. (MILEAGE CHANGE)

EOG RESOURCES, INC.

EAST CHAPITA 8 NESW
NE 1/4 SW 1/4, SECTION 8, T9S, R23E, S.L.B.&M.
UINTAH COUNTY, UTAH

SURVEYED BY	C.R., B.H.	04-25-16	
DRAWN BY	J.M.C.	04-27-16	
ROAD DESCRIPTION			



UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

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PHOTO: VIEW FROM NORTHWEST CORNER OF LOCATION

CAMERA ANGLE: SOUTHEASTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHERLY

EOG RESOURCES, INC.

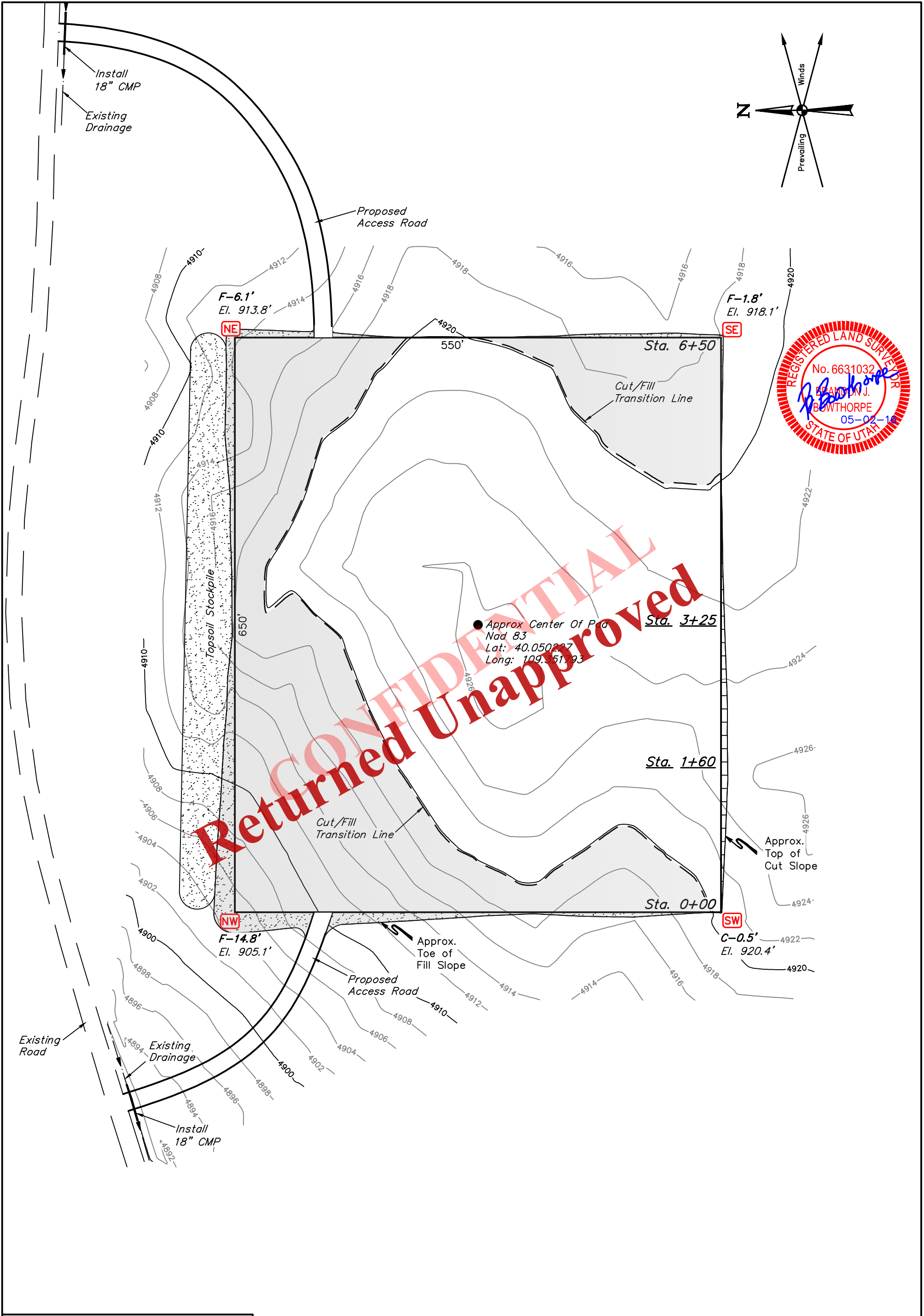
EAST CHAPITA SECTION 8 CENTRAL FACILITY
SECTION 8, T9S, R23E, S.L.B.&M.
UINTAH COUNTY, UTAH

TAKEN BY	C.R., B.H.	04-25-16	
DRAWN BY	J.M.C.	04-27-16	
LOCATION PHOTOS			PHOTO



UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

Received: August 25, 2016



FINISHED GRADE ELEVATION = 4919.9'

NOTES:

- Cut/Fill slopes 1 1/2:1

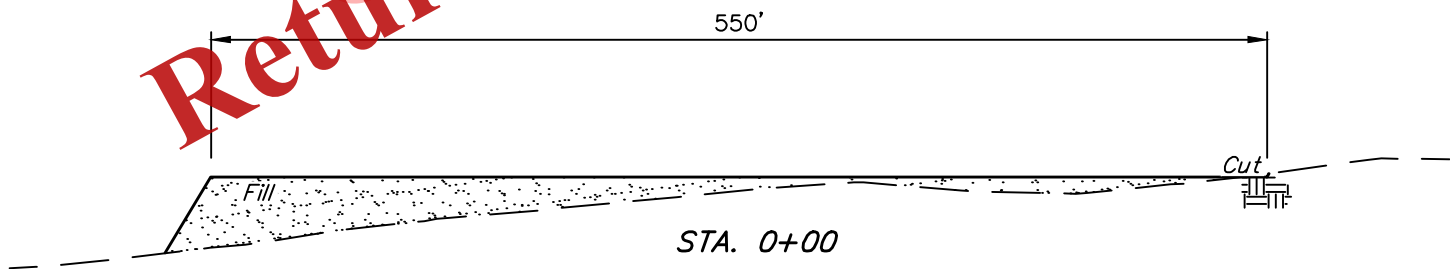
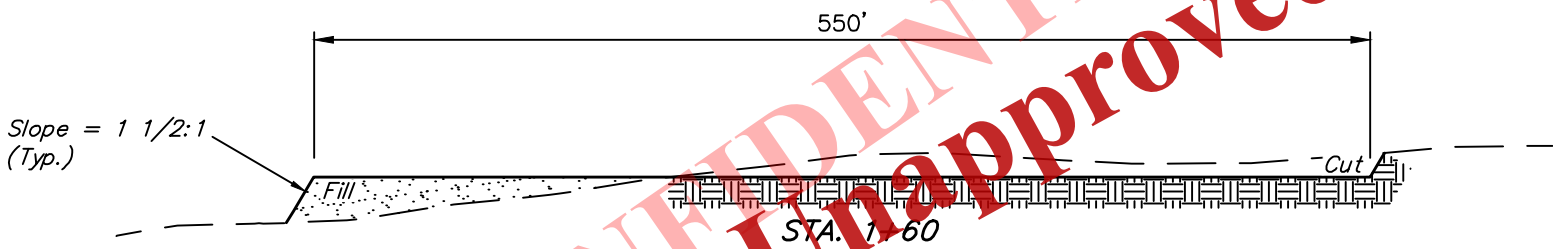
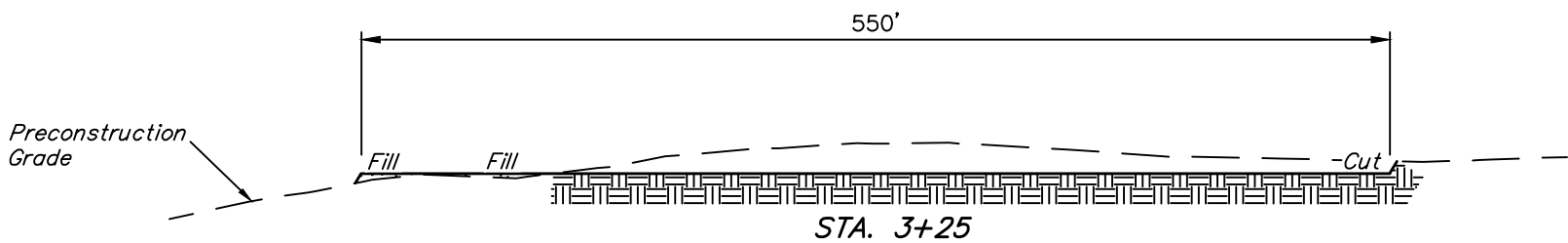
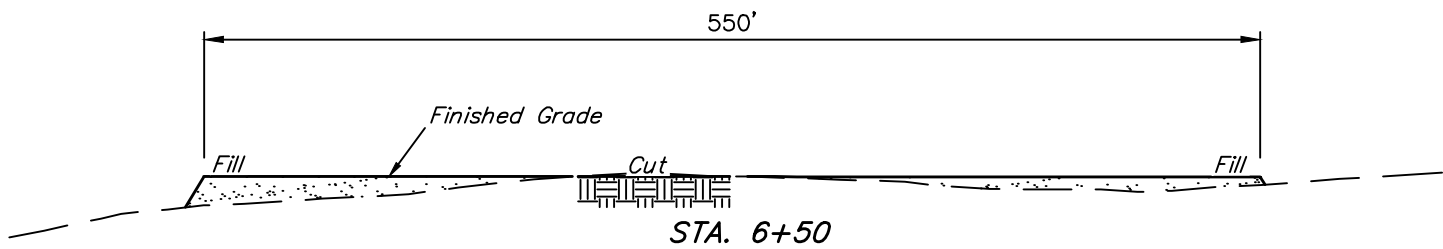
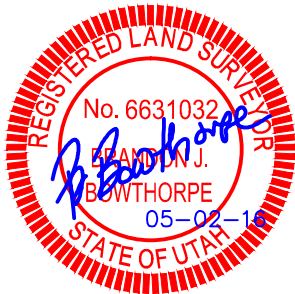
EOG RESOURCES, INC.
EAST CHAPITA SECTION 8 CENTRAL FACILITY PAD
SECTION 8, T9S, R23E, S.L.B.&M.
UINTAH COUNTY, UTAH

SURVEYED BY	B.H., C.R.	04-26-16	SCALE
DRAWN BY	C.I.	05-02-16	1" = 100'
LOCATION LAYOUT			FIGURE #1

UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

Received: August 25, 2016

1" = 40'
X-Section
Scale
1" = 100'



APPROXIMATE EARTHWORK QUANTITIES	
(6") TOPSOIL STRIPPING	6,930 Cu. Yds.
REMAINING LOCATION	22,680 Cu. Yds.
TOTAL CUT	29,610 Cu. Yds.
FILL	22,680 Cu. Yds.
EXCESS MATERIAL	6,930 Cu. Yds.
TOPSOIL	6,930 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	0 Cu. Yds.

APPROXIMATE SURFACE DISTURBANCE AREAS		
	DISTANCE	ACRES
WELL SITE DISTURBANCE	NA	±9.258
30' WIDE GATHERING PIPELINE R-O-W DISTURBANCE	±16,205'	±11.160
30' WIDE WATER PIPELINE R-O-W DISTURBANCE	±12,793'	±8.811
30' WIDE ACCESS ROAD R-O-W DISTURBANCE	±870'	±0.599
TOTAL SURFACE USE AREA	±29,868	±29.828

- NOTES:**
- Fill quantity includes 5% for compaction.
 - Calculations based on 6" of topsoil stripping.
 - Cut/Fill slopes 1 1/2:1



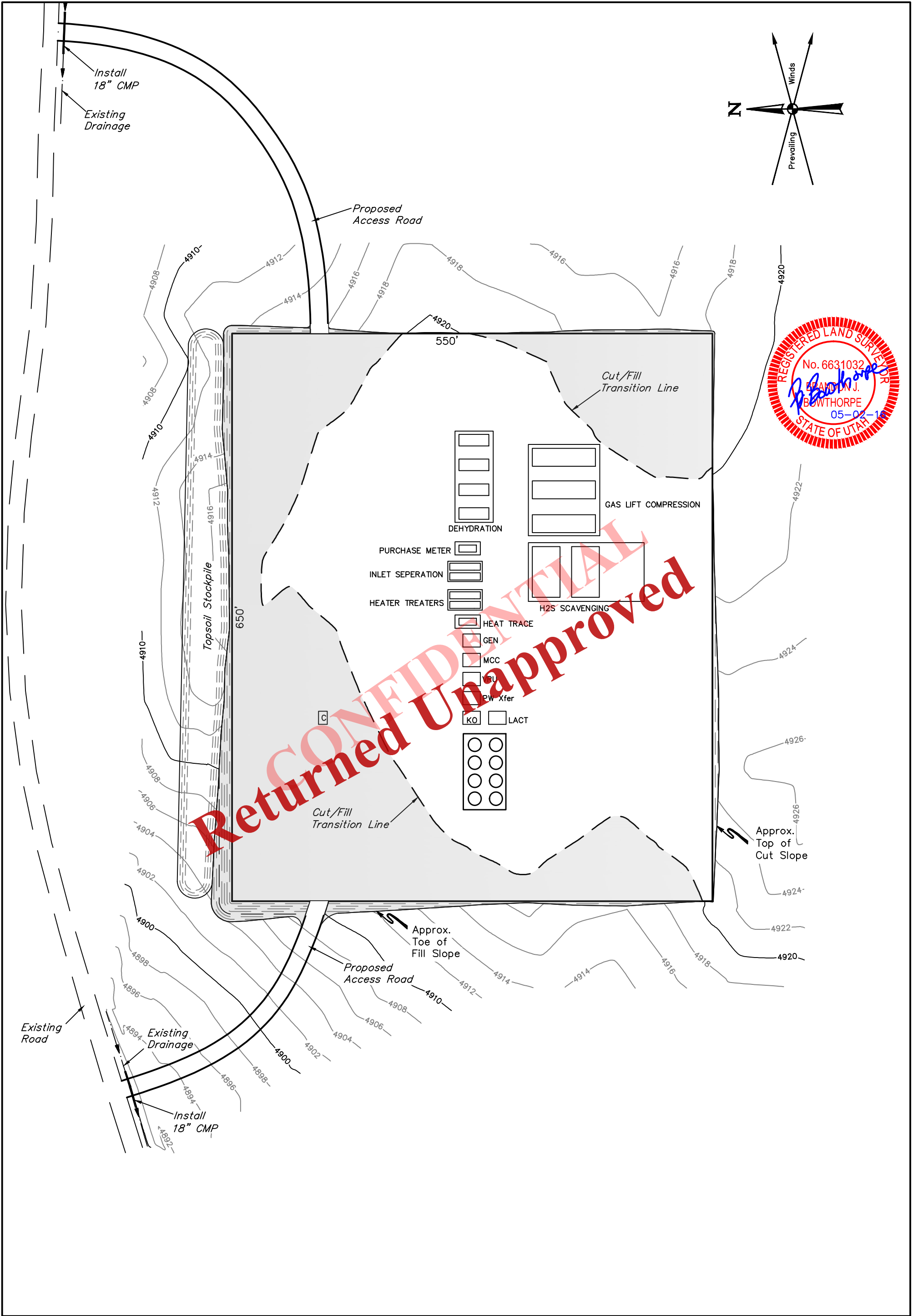
UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

EOG RESOURCES, INC.

EAST CHAPITA SECTION 8 CENTRAL FACILITY PAD
SECTION 8, T9S, R23E, S.L.B.&M.
UINTAH COUNTY, UTAH

SURVEYED BY	B.H., C.R.	04-26-16	SCALE
DRAWN BY	C.I.	05-02-16	AS SHOWN
TYPICAL CROSS SECTIONS		FIGURE #2	

Received: August 25, 2016



NOTES:

EOG RESOURCES, INC.

EAST CHAPITA SECTION 8 CENTRAL FACILITY PAD
SECTION 8, T9S, R23E, S.L.B.&M.
UINTAH COUNTY, UTAH

SURVEYED BY	B.H., C.R.	04-26-16	SCALE
DRAWN BY	C.I.	05-02-16	1" = 100'
FACILITIES			FIGURE #3



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Received: August 25, 2016

PROCEED IN A SOUTHWESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF THIS ROAD AND STATE HIGHWAY 88 TO THE LEFT; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.3 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND CHAPITA GROVE ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 12.3 MILES TO THE JUNCTION OF THIS ROAD AND GLEN BENCH ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 1.7 MILES TO THE JUNCTION OF THIS ROAD AND FIDLAR ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY, THEN NORTHEASTERLY DIRECTION ALONG FIDLAR ROAD APPROXIMATELY 10.0 MILES TO THE JUNCTION OF THIS ROAD AND COYOTE WASH ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY, THEN WESTERLY DIRECTION APPROXIMATELY 2.7 MILES TO THE JUNCTION OF THIS ROAD AND THE BEGINNING OF THE PROPOSED ACCESS ROAD TO THE SOUTHWEST; FOLLOW ROAD FLAGS IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 536' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 53.1 MILES.

REV: 1 05-03-16 J.M.C. (MILEAGE CHANGE)

EOG RESOURCES, INC.

**EAST CHAPITA SECTION 8 CENTRAL FACILITY
SECTION 8, T9S, R23E, S.L.B.&M.
UINTAH COUNTY, UTAH**

SURVEYED BY	C.R., B.H.	04-25-16	
DRAWN BY	J.M.C.	04-27-16	
ROAD DESCRIPTION			



UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

Received: August 25, 2016



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

August 30, 2016

Re: Application for Permit to Drill - UINTAH County, Utah

Ladies and Gentlemen:

The Application for Permit to Drill (APD) for the East Chapita 119-08D well, API 43047555950000 that was submitted August 25, 2016 is being returned unapproved. If you plan on drilling this well in the future, you must first submit a new application.

Should you have any questions regarding this matter, please call me at (801) 538-5312.


Sincerely,

Diana Mason
Environmental Scientist

Enclosure

cc: Bureau of Land Management, Vernal, Utah



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING						FORM 3 AMENDED REPORT <input checked="" type="checkbox"/>				
APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER East Chapita 119-08D				
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT NATURAL BUTTES				
4. TYPE OF WELL Gas Well <input checked="" type="checkbox"/> Coalbed Methane Well: NO <input type="checkbox"/>						5. UNIT or COMMUNITIZATION AGREEMENT NAME				
6. NAME OF OPERATOR EOG RESOURCES, INC.						7. OPERATOR PHONE 435 781-9111				
8. ADDRESS OF OPERATOR 600 17th Street Ste 1000N, Denver, CO, 80202						9. OPERATOR E-MAIL kaylene_gardner@eogresources.com				
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UT80939			11. MINERAL OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>				
13. NAME OF SURFACE OWNER (if box 12 = 'fee')						14. SURFACE OWNER PHONE (if box 12 = 'fee')				
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')				
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input checked="" type="checkbox"/> (Submit Commingling Application) NO <input type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
20. LOCATION OF WELL		FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN		
LOCATION AT SURFACE		1610 FSL 1430 FWL		NESW	8	9.0 S	23.0 E	S		
Top of Uppermost Producing Zone		2310 FSL 990 FWL		NWSW	8	9.0 S	23.0 E	S		
At Total Depth		2310 FSL 990 FWL		NWSW	8	9.0 S	23.0 E	S		
21. COUNTY UINTAH			22. DISTANCE TO NEAREST LEASE LINE (Feet) 1430			23. NUMBER OF ACRES IN DRILLING UNIT 10				
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 10			26. PROPOSED DEPTH MD: 9551 TVD: 9466				
27. ELEVATION - GROUND LEVEL 4930			28. BOND NUMBER NM2308			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 49-225				
Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
SURF	11	8.625	0 - 2550	28.0	J-55 LT&C	9.2	Varocem	216	4.1	10.5
							Type V	211	1.203	15.6
PROD	7.875	4.5	0 - 9551	11.6	N-80 LT&C	12.5	Poz Light	445	1.83	12.0
							50/50 Poz	1321	1.47	13.5
ATTACHMENTS										
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
NAME Barbara Griswold			TITLE Sr. Regulatory Specialist			PHONE 303 262-9894				
SIGNATURE			DATE 08/25/2016			EMAIL barbara_griswold@eogresources.com				
API NUMBER ASSIGNED 43047555950000			APPROVAL  Permit Manager							

DRILLING PLAN

East Chapita #119-08D
 NESW, Sec. 8, T9S, R23E, S.L.B.&M.
 Uintah County, Utah

1. ESTIMATED TOPS & ANTICIPATED OIL, GAS & WATER ZONES

FORMATION	FORMATION ID	LITHOLOGY	MSL ELEV. (FT.)	TVD (FT.)	MD (FT.)	MINERAL RESOURCE(S)	PRODUCING FORMATION?
Uinta	Surface Formation	Shale	4955	0	0	Water	No
Green River	Formation 1	Shale	3316	1639	1658	None	No
Birdsnest	Formation 2	Dolomite	3017	1938	1965	None	No
Surface Casing Shoe			2446	2509	2550		
Mahogany Oil Shale Bed	Formation 3	Shale	2396	2559	2601	None	No
Wasatch	Formation 4	Sandstone	106	4849	4934	Gas	Yes
Chapita Wells	Formation 5	Sandstone	-495	5450	5535	Gas	Yes
Buck Canyon	Formation 6	Sandstone	-1176	6131	6216	Gas	Yes
North Horn	Formation 7	Sandstone	-1809	6764	6849	Gas	Yes
KMV Price River	Formation 8	Sandstone	-2217	7172	7257	Gas	Yes
KMV Price River-Middle	Formation 9	Sandstone	-3012	7967	8052	Gas	Yes
KMV Price River - Lower	Formation 10	Sandstone	-3791	8746	8831	Gas	Yes
Sego	Formation 11	Sandstone	-4311	9266	9351	Gas	No
TD/Prod. Casing Shoe			-4511	9466	9551		

Anticipated BHP (psi): 6153

Anticipated BHT (°F): 200

Comingling Wasatch through KVM Price River -Lower

- Fresh water may exist in the upper $\pm 1,000$ ft of the Uinta Formation. Cement to be circulated to surface of the well isolating all zones in this interval.

2. PRESSURE CONTROL EQUIPMENTProduction Hole:

Pressure Rating: 5000 psig (05M) Depth Rating: 9551'

Equipment to be used:

The minimum specifications for pressure control equipment that will be provided are included on the attached schematic diagram showing minimum size and minimum pressure ratings.

- 11", 5M Annular Preventer
- 11", 5M Blind Rams
- 11", 5M Pipe Rams

Auxiliary Equipment to be used:

- Upper and Lower Kelly Cock with handle available
- Stabbing (safety) valve(s) and subs to fit all drill string connections in use
- Inside BOP or float sub
- Rotating head above annular preventer
- Choke Manifold - Includes appropriate valves and adjustable chokes. The kill line will have one check valve.
- Electronic/mechanical mud monitoring equipment, which will include a pit volume totalizer (PVT), stroke counter and flow sensor as a minimum. Gas detector to measure gas percentage in fluid returns. Mud scale will be used to manage mud weight as well as detect gas cut mud.

Drilling Plan

Page 2

Testing Procedure:

Ram-type preventers will be pressure tested to full working pressure (utilizing a tester and test plug) at: initial installation, whenever any seal subject to test pressure is broken, following related repairs, after rig moves and at 30-day intervals. The annular preventer will be pressure tested to 50 percent of the rated working pressure. All pressure tests shall be maintained at least 10 minutes or until provisions of the test are met, whichever is longer. Annular preventers shall be functionally operated at least weekly. Pipe and blind rams shall be activated each trip, however, not more than once per day. A BOPE pit level drill will be conducted weekly for each drilling crew. All tests and drills will be recorded in the drilling log. The accumulator will have sufficient capacity to open the HCR valve, close all rams plus the annular preventer and retain 2000 psi above pre-charge pressure without the use of closing unit pumps. The system will have two independent power sources to close the preventers in accordance with 5000 psi requirements outlined in Onshore Order #2. Remote controls shall be readily accessible to the driller. Master controls shall be at the accumulator.

Choke & BOP Diagrams:

Attached (BOP & Choke Diagram.pdf)

3a. CASING PROGRAM

String Type	Hole Size (")	Top Setting Depth (ft)			Bottom Setting Depth (ft)			Length (ft)	Casing Size (")	Weight (#/ft)	Grade	Conn.	Cond.	Standard
		(MD)	(TVD)	(MSL)	(MD)	(TVD)	(MSL)							
Conductor	20.00	0	0	4955	60	60	4895	60	14.0	32.5	A252		New	NA
Surface	11.00	0	0	4955	2550	2509	2446	2550	8.625	28.0	J-55	LTC	New	Non-API
Production	7.875	0	0	4955	9551	9466	4511	9551	4.50	11.6	N-80	LTC	New	API

The 11" surface hole will be drilled to a total depth of $\pm 200'$ below the base of the Birdsnest lost circulation zone and cased to that depth with 8.625" casing as shown. Drilled depth may be shallower or deeper than the 2550' shown above depending on the actual depth of the loss zone.

After cementing and prior to drilling out from under the casing shoe, all casing strings below the conductor shall be pressure tested to 0.22 psi/ft of casing string length or 1500 psi, whichever is greater, but not to exceed 70% minimum internal yield.

All casing will be new or inspected.

3b. CASING PROGRAM SAFETY FACTORS

String Type	Collapse Rating (psi)	Burst Rating (psi)	Jt. Tensile Rating (#)	Body Tensile Rating (#)	SAFETY FACTORS			
					Collapse	Burst	Tensile Joint (Dry)	Tensile Body (Dry)
Conductor		1,800		10,000				
Surface	1,880	3,400	348,000	437,000	1.566	2.251	4.874	6.120
Production	6,350	7,780	223,000	267,000	1.165	1.197	2.013	2.410

Maximum Load Conditions Assumed for Safety Factor Calculations:

Surface Casing:

- Collapse - Fully Evacuated Casing Inside, Maximum Anticipated Mud Weight of 9.2 ppg in Annulus
- Burst - Maximum Anticipated Fracture Pressure at Surface Casing Shoe (13.0 ppg) + 0.5 ppg with 0.1 psi/ft. Gas Gradient Above
- Tensile - Air Weight of Casing

Production Casing:

- Collapse - Air Gradient Inside of 0.1 psi/ft., Maximum Anticipated Mud Weight of 12.5 ppg + 0.5 ppg in Annulus
- Burst - Maximum Anticipated Treating Pressure of 6500 psi at Surface
- Tensile - Air Weight of Casing

3c. CASING FLOAT EQUIPMENT

Surface: Guide shoe, insert float collar (PDC drillable). Centralizers (bow-spring): 1 in middle of shoe joint, then top of every joint for next 7 joints, then every 7th joint to surface (15 total).

Production: Float shoe, 1 joint casing, float collar and balance of casing to surface.
4½", 11.6#, N-80 or equivalent marker collars or short casing joints to be placed at top of Price River and 400' above top of Wasatch. Bow-spring centralizers to be placed 5' above shoe on joint #1, top of joint #2 and every 3rd joint to 400' above top productive interval.

4. CEMENT PROGRAM

Cement design provided for all slurries is for expected bottomhole temperatures and hole conditions. If the actual bottomhole temperatures or hole conditions are different than expected, slight adjustments to the slurry additives could occur to maintain slurry properties. Should cementing service providers change, a slurry with equivalent qualities and properties will be used.

All waiting on cement (WOC) times will be adequate to achieve a minimum of 500 psi compressive strength at the casing shoe prior to drilling out.

Conductor Casing

Redi-Mix as Required (0' - ±60' MD)

Surface Casing

Lead volume calculated to bring cement from 500' above casing shoe to surface + 70% excess over gauge hole. Tail volume calculated to bring cement to 500' above shoe + 100% excess over gauge hole. Volumes pumped in the field will be based on actual surface casing setting depth for each well with same cement tops and excesses.

Lead Slurry: (0 - 2050' MD)	216 sx (886 cu. ft.)	VariCem (Type III) cement + 2% Cal-Seal (Thixotropic Additive) + 0.3% Versaset (Thixotropic Additive) + 2% Econolite (Light Weight Additive) mixed at 10.5 ppg, 4.10 cfps yield, 26.88 gps water, or equivalent slurry.
Tail Slurry: (2050 - 2550' MD)	211 sx (254 cu. ft.)	HalCem (Type V) cement + 2% CaCl ₂ (Accelerator) + 0.125 pps Poly-E-Flake (Lost Circulation Additive) + 0.25 pps Kwik Seal (Lost Circulation Additive) Mixed at 15.6 ppg, 1.203 cfps yield, 5.30 gps water, or equivalent slurry.
Top Out:	As Needed	HalCem (Type V) cement + 2% CaCl ₂ (Accelerator) + 0.125 pps Poly-E-Flake (Lost Circulation Additive) + 0.25 pps Kwik Seal (Lost Circulation Additive) Mixed at 15.6 ppg, 1.203 cfps yield, 5.30 gps water, or equivalent slurry via 1" tubing.

Production Casing

In order to minimize cement losses, lead cement slurry weight for the production string will vary from 11.0 ppg to 13.0 ppg and be based upon a minimum of 0.5 ppg over mud weight of each well at TD.

Lead Slurry:
(2150 - 4534' MD)

If lead slurry weight required is 11.0 ppg - 12.5 ppg, cement will be:

Highbond 75 (75/25 Poz/G) cement + 6% Bentonite (Extender) + 0.3% Versaset (Thixotropic Additive) + 2% Microbond (Expansion Additive)

Slurry weights with corresponding yields and water requirements for above cement are as follows:

- 11.0 ppg, 2.52 cfps yield, 14.96 gps water
- 11.5 ppg, 2.12 cfps yield, 11.98 gps water
- 12.0 ppg, 1.83 cfps yield, 9.82 gps water
- 12.5 ppg, 1.61 cfps yield, 8.17 gps water

Drilling Plan**Page 4**

If lead slurry weight required is 13.0 ppg, cement will be:

ExtendaCem (50/50 Poz/G) cement + 0.125 pps Poly-E-Flake (Lost Circulation Additive) mixed at 13.0 ppg, 1.63 cfps, 8.16 gps water

Tail Slurry:

(4534 - 9551' MTD)

ExtendaCem (50/50 Poz/G) cement + 0.125 pps Poly-E-Flake (Lost Circulation Additive) mixed at 13.5 ppg, 1.47 cfps, 6.98 gps water

Calculated production casing cement volumes shown in table below are based on surface casing setting depth, Wasatch Formation top and MTD for well for each type of slurry shown above. Lead volume to be calculated to bring cement from $\pm 400'$ above the Wasatch Formation to $\pm 400'$ above the 8% surface casing shoe + 50% excess over gauge hole. Tail volume calculated to bring cement from MTD to $\pm 400'$ above the Wasatch Formation + 70% excess over gauge hole.

Calculated Production Casing Cement Volumes

Slurry Type	Slurry Weight (ppg)	Slurry Yield (cfps)	Water Req't (gps)	Calculated Volume	
				(sx)	(cu. ft.)
Lead	11.0	2.52	14.96	323	814
Lead	11.5	2.12	11.98	384	814
Lead	12.0	1.83	9.82	445	814
Lead	12.5	1.61	8.17	506	814
Lead	13.0	1.63	8.16	500	814
Tail	13.5	1.47	6.98	1321	1942

5. DRILLING FLUIDS/MUD PROGRAM

A closed loop system will be utilized. Enough barite and supplemental additives will be on location or weighted, premixed liquid mud will be readily available to weight the entire circulating system up to 1.0 ppg over the maximum anticipated bottom hole pressure.

Surface Hole

(0' - $\pm 2550'$)

Air / Air Mist / Aerated Water
or

If fluid drilling is required a fresh water, gel/bentonite mud system will be used. LCM sweeps, additions, etc., will be utilized as necessary. Maximum anticipated mud weight = 9.2 ppg.

Production Hole

(± 2550 - 9551' MTD)

*Mud Weight (ppg)	Viscosity	pH	Water Loss
9.5 - 12.5	38 - 40	9.0 - 10.0	< 15 cc

*Anticipated mud weight dependent on actual wellbore conditions encountered while drilling.

A fresh water, gel/bentonite mud system will be used to control viscosity with PHPA polymer used for supplemental viscosity and clay encapsulation / inhibition. Bacteriacides will be used as needed. Mud weight will be adjusted as necessary for well control. Defloculants / thinners will be used as necessary to maintain mud quality. LCM sweeps will be utilized as necessary to control mud loss or wholesale lost circulation. CO₂ contamination, if encountered, will be treated with lime and gypsum.

6. EVALUATION PROGRAM

Open Hole Logs:

None anticipated

Cased-Hole Logs:

Cement Bond Log / Casing Collar Locator / Gamma Ray

(Run in lieu of open hole logs)

Cores:

None anticipated

7. ABNORMAL CONDITIONS

Surface Hole (0' - ± 2550')

- Possible lost circulation.

Production Hole (± 2550 - 9551' MTD)

- Sloughing shales, lost circulation and key seat development are possible in the Wasatch Formation.
- Possible CO₂ contamination
- 9.5 - 12.5 ppg mud weights.

8. HAZARDOUS CHEMICALS

No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported or disposed of in association with the drilling of this well.

9. VARIANCE REQUESTS

Reference: Onshore Oil and Gas Order No. 1

Onshore Oil and Gas Order No. 2 — Section A: Well Control Requirements

— Section C: Mud Program Requirement

— Section E: Special Drilling Operations

- EOG Resources, Inc. requests a variance to regulations requiring all choke lines shall be straight lines unless turns use tee blocks or are targeted with running tees....: *If rig employed on production hole is so equipped, a flexible, 5000 psi choke hose may be used in place of a straight choke line.*
- EOG Resources, Inc. requests a variance to regulations requiring use of targeted tees in vent lines coming from gas busters: *As the gas buster eliminates abrasive materials, only fluids will be traversed through the line, therefore, no erosion in the line will occur.*
- EOG Resources, Inc. requests a variance to regulations requiring a straight run blooie line to be 100' in length: *Where possible, a straight run blooie line will be used.*
- EOG Resources, Inc. requests a variance to regulations requiring the blooie line to be 100' in length: *To reduce locaton excavation, the blooie line will be approximately 75' in length.*
- EOG Resources, Inc. requests a variance to regulations during air drilling operations only, requiring dedusting equipment: *Dust during air drilling operations is controlled by water mist.*
- EOG Resources, Inc. requests a variance to regulations during air drilling operations only, requiring an automatific igniter or continuous pilot light on the blooie line: *This is not required on an aerated water system.*
- EOG Resources, Inc. requests a variance that compressors are located in the opposite direction from the blooie line a minimum of 100' from the wellbore: *Air compressors are rig mounted.*

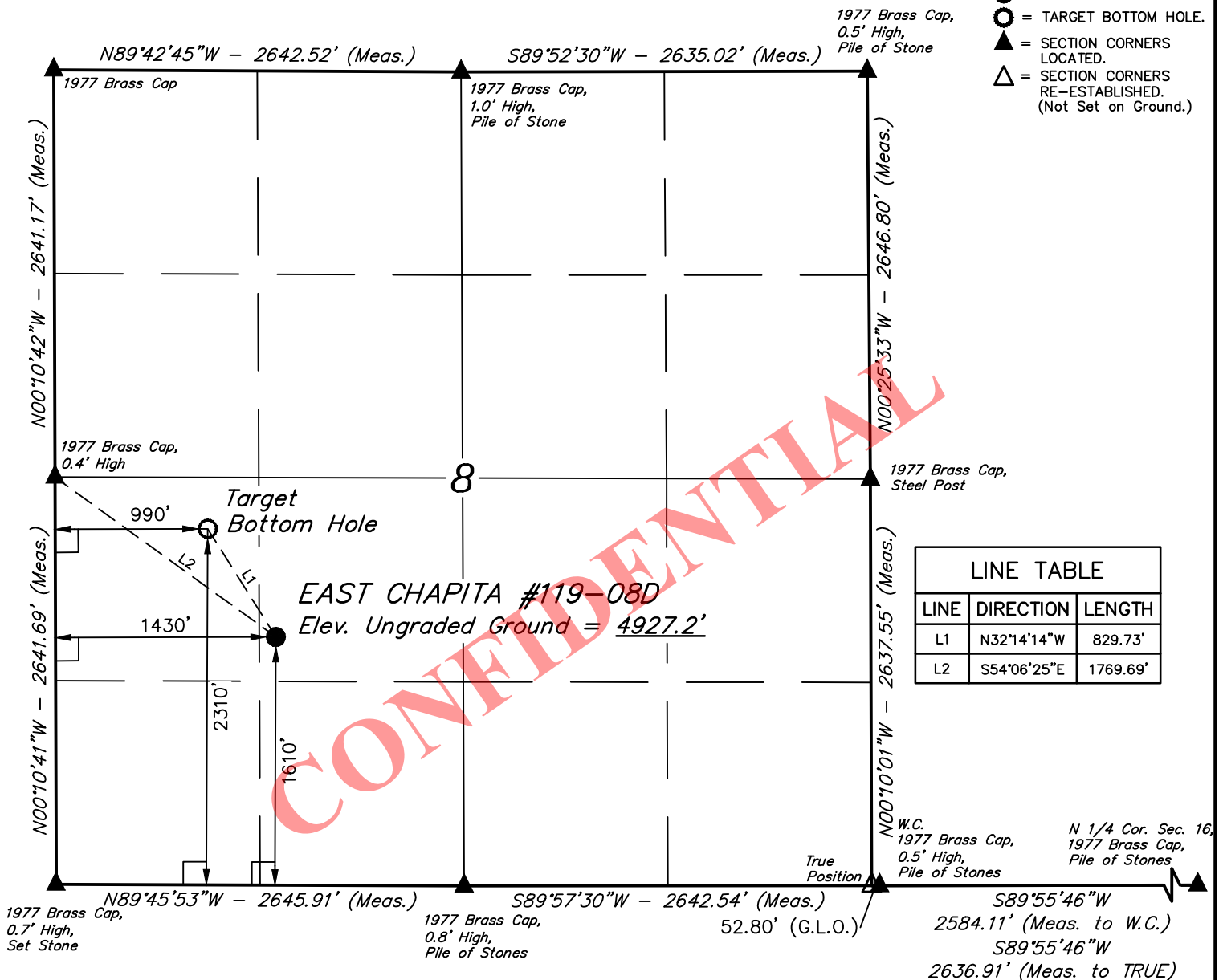
10. AIR DRILLING OPERATIONS

- Main air compressors are 1250 CFM 350 psi with 2000 psi boosters and are rig mounted.
- Secondary air compressors are 1170 CFM 350 psi with 2000 psi boosters and are rig mounted.
- Minimum setting depth of conductor casing will be 60' GL or ±10' into competent formation, whichever is deeper, as determined by the EOG person in charge. Exceptions must be approved by an EOG Drilling Superintendent or Manager.
- The diameter of the diverter flowline will be a minimum of 10" to help reduce back pressure on the wellbore during uncontrolled flow.
- Rat and mouse hole drilling will occur only after surface casing has been set and cemented.
- EOG Resources, Inc. will use a properly maintained and lubricated stripper head, connected to the diverter or blooie line.

T9S, R23E, S.L.B.&M.

LEGEND:

- = 90° SYMBOL
 = PROPOSED WELLHEAD.
 = TARGET BOTTOM HOLE.
 = SECTION CORNERS LOCATED.
 = SECTION CORNERS RE-ESTABLISHED. (Not Set on Ground.)



LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N32°14'14"W	829.73'
L2	S54°06'25"E	1769.69'



NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 40°02'58.49" (40.049581)	LATITUDE = 40°02'51.55" (40.047653)
LONGITUDE = 109°21'24.19" (109.356719)	LONGITUDE = 109°21'18.51" (109.355142)
NAD 27 (TARGET BOTTOM HOLE)	NAD 27 (SURFACE LOCATION)
LATITUDE = 40°02'58.62" (40.049617)	LATITUDE = 40°02'51.68" (40.047689)
LONGITUDE = 109°21'21.74" (109.356039)	LONGITUDE = 109°21'16.06" (109.354461)
STATE PLANE NAD 83 (UTAH CEN.)	STATE PLANE NAD 83 (UTAH CEN.)
N: 7193971.73 E: 2240336.25	N: 7193280.24 E: 2240794.34
STATE PLANE NAD 27 (UTAH CEN.)	STATE PLANE NAD 27 (UTAH CEN.)
N: 632310.37 E: 2600125.50	N: 631618.89 E: 2600583.58

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION

BASIS OF ELEVATION

BENCH MARK 58 EAM (1965) LOCATED IN THE NE 1/4 OF SECTION 30, T9S, R23E, S.L.B.&M. TAKEN FROM THE RED WASH SE, QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5132 FEET.



UELS, LLC
 Corporate Office * 85 South 200 East
 Vernal, UT 84078 * (435) 789-1017

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

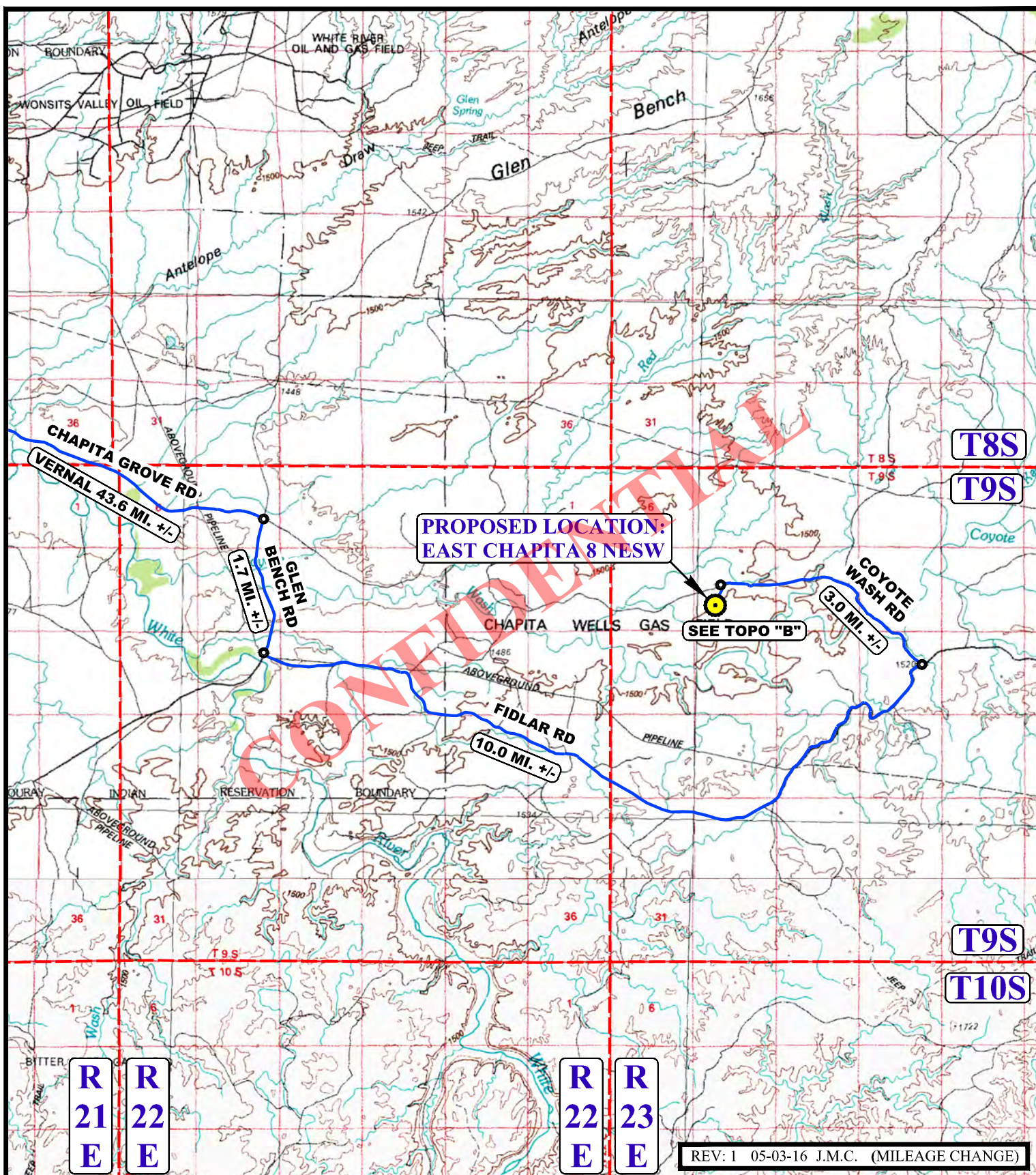
REGISTERED LAND SURVEYOR
 BRANDON ROWTHORPE
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. 6631032
 STATE OF UTAH

EOG RESOURCES, INC.

EAST CHAPITA #119-08D
 NE 1/4 SW 1/4, SECTION 8, T9S, R23E, S.L.B.&M.
 UTAH COUNTY, UTAH

SURVEYED BY	J.F., M.P.	04-25-16	SCALE
DRAWN BY	J.P.	04-27-16	1" = 1000'
WELL LOCATION PLAT			

RECEIVED: August 25, 2016

**LEGEND:**

PROPOSED LOCATION

**EOG RESOURCES, INC.**

EAST CHAPITA 8 NESW
NE 1/4 SW 1/4, SECTION 8, T9S, R23E, S.L.B.&M.
UINTAH COUNTY, UTAH

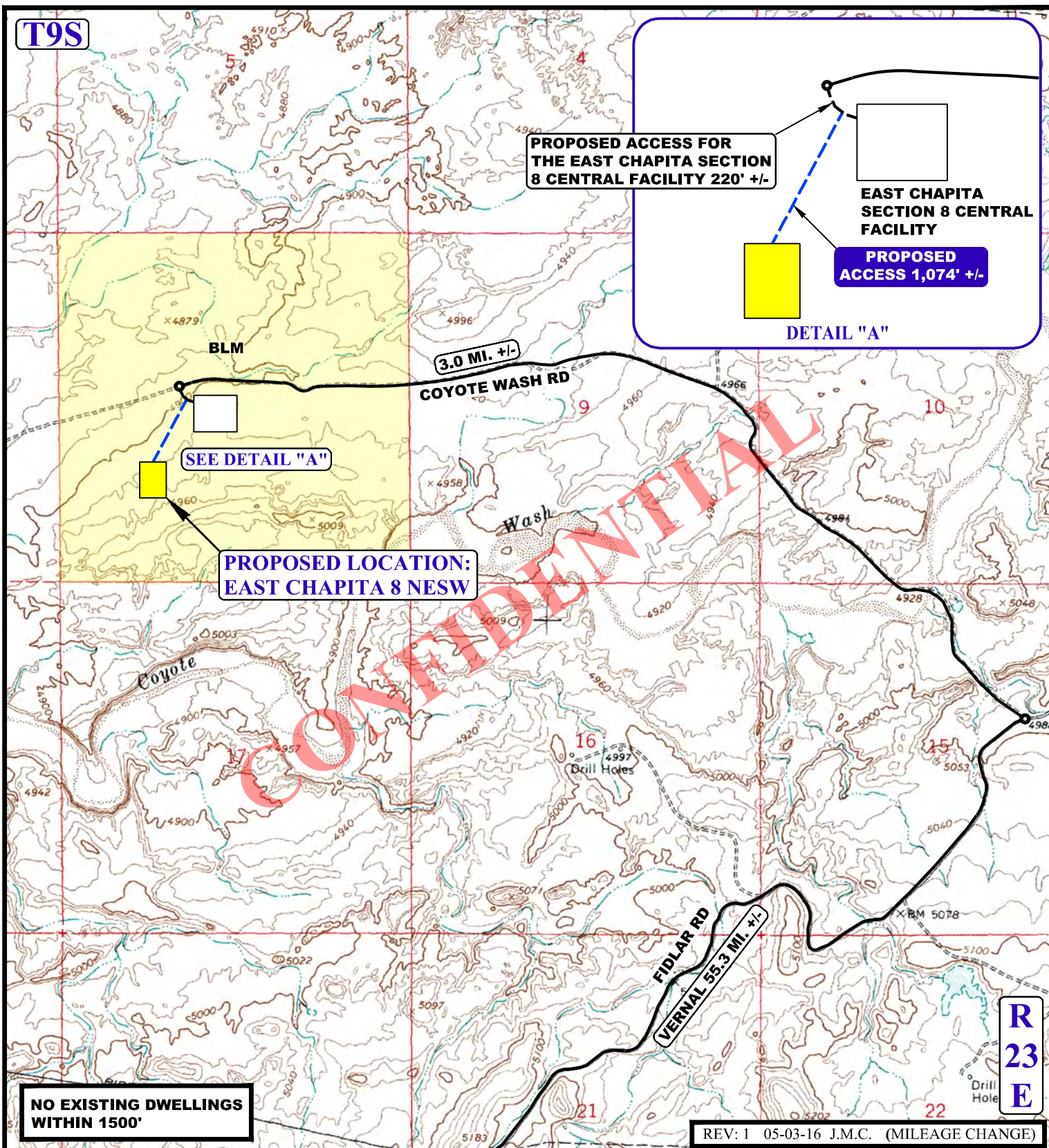
UELS, LLC

Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017



SURVEYED BY	C.R., B.H.	04-25-16	SCALE
DRAWN BY	J.M.C.	04-27-16	1 : 100,000
ACCESS ROAD MAP			TOPO A

RECEIVED: August 25, 2016

T9S

NOTE: PARCEL DATA SHOWN HAS BEEN OBTAINED FROM VARIOUS SOURCES AND SHOULD BE USED FOR MAPPING, GRAPHIC AND PLANNING PURPOSES ONLY. NO WARRANTY IS MADE BY UINAH ENGINEERING AND LAND SURVEYING (UELS) FOR ACCURACY OF THE PARCEL DATA.

LEGEND:

- EXISTING ROAD
- - - - PROPOSED ROAD
- - - - PROPOSED ROAD (SERVICING OTHER WELLS)

**EOG RESOURCES, INC.**

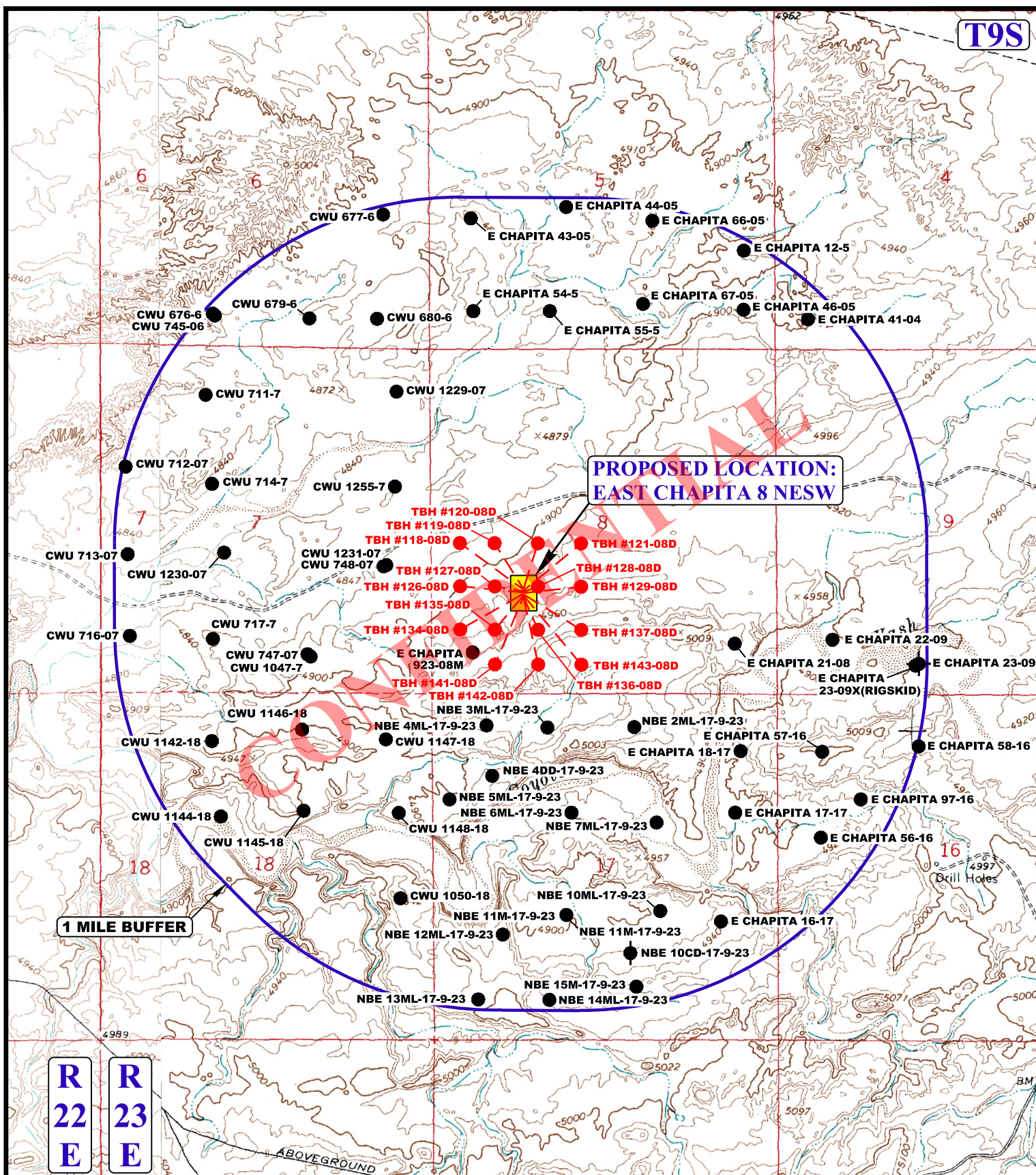
EAST CHAPITA 8 NESW
NE 1/4 SW 1/4, SECTION 8, T9S, R23E, S.L.B.&M.
UINTAH COUNTY, UTAH

SURVEYED BY	C.R., B.H.	04-25-16	SCALE
DRAWN BY	J.M.C.	04-27-16	1 : 24,000
ACCESS ROAD MAP			TOPO B



UELS, LLC
 Corporate Office * 85 South 200 East
 Vernal, UT 84078 * (435) 789-1017

RECEIVED: August 25, 2016

**LEGEND:**

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED
- CONFIDENTIAL



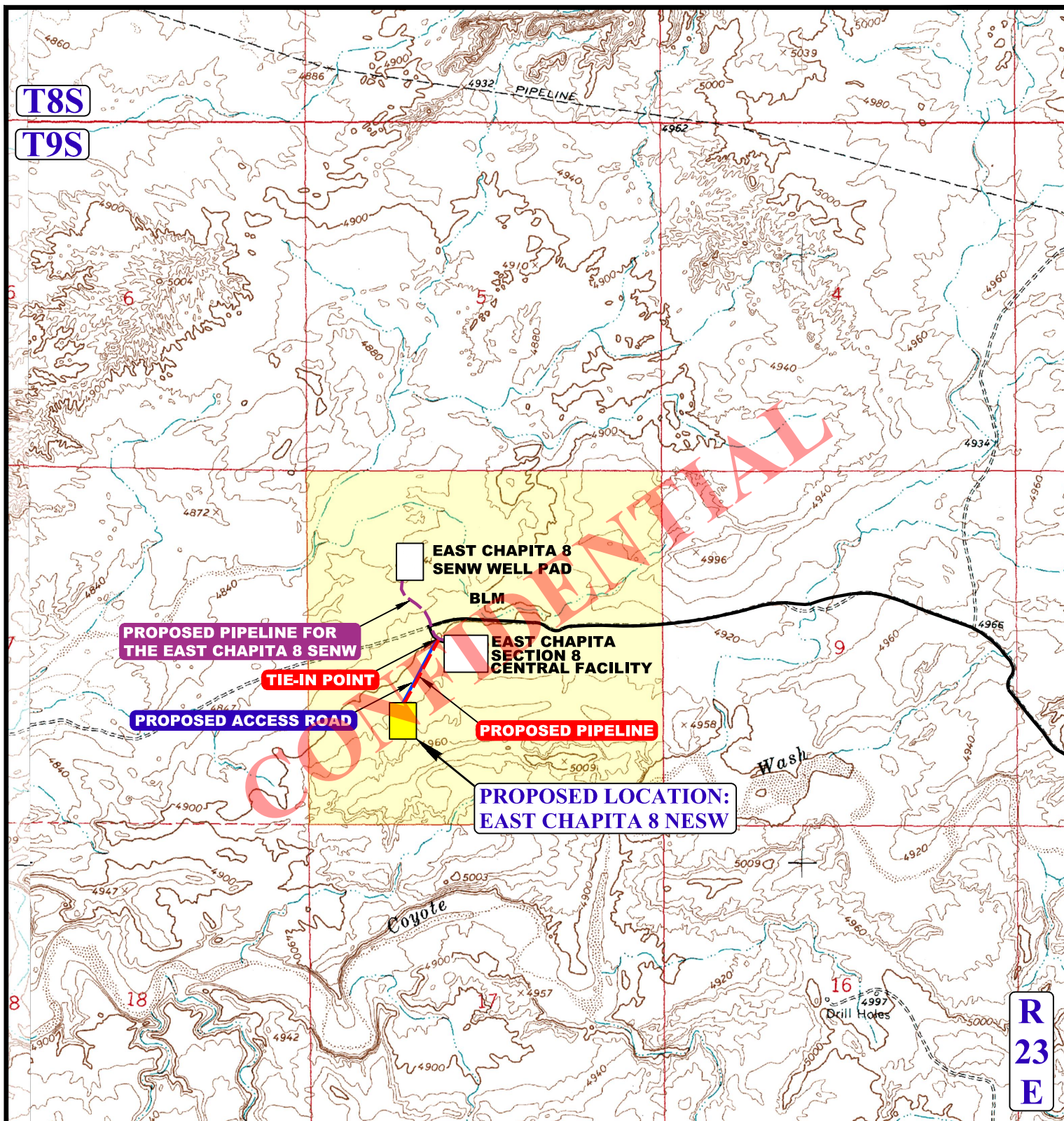
UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

**EOG RESOURCES, INC.**

EAST CHAPITA 8 NESW
NE 1/4 SW 1/4, SECTION 8, T9S, R23E, S.L.B.&M.
UINTAH COUNTY, UTAH

SURVEYED BY	C.R., B.H.	04-25-16	SCALE
DRAWN BY	J.M.C.	04-27-16	1 : 24,000
WELL PROXIMITY MAP			TOPO C

RECEIVED: August 25, 2016



APPROXIMATE TOTAL PIPELINE DISTANCE = 1,082' +/-

NOTE: PARCEL DATA SHOWN HAS BEEN OBTAINED FROM VARIOUS SOURCES AND SHOULD BE USED FOR MAPPING, GRAPHIC AND PLANNING PURPOSES ONLY. NO WARRANTY IS MADE BY UINTAH ENGINEERING AND LAND SURVEYING (UELS) FOR ACCURACY OF THE PARCEL DATA.

LEGEND:

- EXISTING ROAD
- PROPOSED ROAD
- - - PROPOSED PIPELINE
- - - PROPOSED PIPELINE (SERVICING OTHER WELLS)



UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017



EOG RESOURCES, INC.

EAST CHAPITA 8 NESW
NE 1/4 SW 1/4, SECTION 8, T9S, R23E, S.L.B.&M.
UINTAH COUNTY, UTAH

SURVEYED BY	C.R., B.H.	04-25-16	SCALE
DRAWN BY	J.M.C.	04-27-16	1 : 24,000
PIPELINE MAP			TOPO D

RECEIVED: August 25, 2016

Denver Division - Utah

Utah - Central

East Chapita 8 NESW Pad

119-08D

OH

Plan: APD (Plat 4/29/16)

Standard Planning Report

24 June, 2016

EOG Resources, Inc.

Planning Report

Database:	EDM_DENVER	Local Co-ordinate Reference:	Well 119-08D
Company:	Denver Division - Utah	TVD Reference:	RKB @ 4955.0usft (KB GL+25')
Project:	Utah - Central	MD Reference:	RKB @ 4955.0usft (KB GL+25')
Site:	East Chapita 8 NESW Pad	North Reference:	True
Well:	119-08D	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	APD (Plat 4/29/16)		

Project	Utah - Central		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Utah Central 4302		

Site		East Chapita 8 NESW Pad			
Site Position:		Northing:	631,600.00 usft	Latitude:	40° 2' 51.497 N
From:	Map	Easting:	2,600,550.00 usft	Longitude:	109° 21' 16.501 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	1.37

Well	119-08D					
Well Position	+N/-S	18.1 usft	Northing:	631,618.89 usft	Latitude:	40° 2' 51.675 N
	+E/-W	34.0 usft	Easting:	2,600,583.58 usft	Longitude:	109° 21' 16.063 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level:	4,930.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	11.19	65.98	52,551

Design	APD (Plat 4/29/16)			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	327.85

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,141.4	12.62	327.85	1,134.7	78.2	-49.1	1.50	1.50	0.00	327.85	
4,092.4	12.62	327.85	4,014.3	624.1	-392.2	0.00	0.00	0.00	0.00	
4,933.9	0.00	0.00	4,849.0	702.3	-441.4	1.50	-1.50	0.00	180.00	119-08D PBHL
9,550.9	0.00	0.00	9,466.0	702.3	-441.4	0.00	0.00	0.00	0.00	

EOG Resources, Inc.

Planning Report

Database:	EDM_DENVER	Local Co-ordinate Reference:	Well 119-08D
Company:	Denver Division - Utah	TVD Reference:	RKB @ 4955.0usft (KB GL+25')
Project:	Utah - Central	MD Reference:	RKB @ 4955.0usft (KB GL+25')
Site:	East Chapita 8 NESW Pad	North Reference:	True
Well:	119-08D	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	APD (Plat 4/29/16)		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	1.50	327.85	400.0	1.1	-0.7	1.3	1.50	1.50	0.00
500.0	3.00	327.85	499.9	4.4	-2.8	5.2	1.50	1.50	0.00
600.0	4.50	327.85	599.7	10.0	-6.3	11.8	1.50	1.50	0.00
700.0	6.00	327.85	699.3	17.7	-11.1	20.9	1.50	1.50	0.00
800.0	7.50	327.85	798.6	27.7	-17.4	32.7	1.50	1.50	0.00
900.0	9.00	327.85	897.5	39.8	-25.0	47.0	1.50	1.50	0.00
1,000.0	10.50	327.85	996.1	54.2	-34.0	64.0	1.50	1.50	0.00
1,100.0	12.00	327.85	1,094.2	70.7	-44.4	83.5	1.50	1.50	0.00
1,141.4	12.62	327.85	1,134.7	78.2	-49.1	92.3	1.50	1.50	0.00
1,200.0	12.62	327.85	1,191.8	89.0	-55.9	105.1	0.00	0.00	0.00
1,300.0	12.62	327.85	1,289.4	107.5	-67.6	127.0	0.00	0.00	0.00
1,400.0	12.62	327.85	1,387.0	126.0	-79.2	148.8	0.00	0.00	0.00
1,500.0	12.62	327.85	1,484.5	144.5	-90.8	170.7	0.00	0.00	0.00
1,600.0	12.62	327.85	1,582.1	163.0	-102.4	192.5	0.00	0.00	0.00
1,658.3	12.62	327.85	1,639.0	173.8	-109.2	205.2	0.00	0.00	0.00
Green River									
1,700.0	12.62	327.85	1,679.7	181.5	-114.1	214.4	0.00	0.00	0.00
1,800.0	12.62	327.85	1,777.3	200.0	-125.7	236.2	0.00	0.00	0.00
1,900.0	12.62	327.85	1,874.9	218.5	-137.3	258.1	0.00	0.00	0.00
1,964.7	12.62	327.85	1,938.0	230.5	-144.8	272.2	0.00	0.00	0.00
Birdsnest Zone									
2,000.0	12.62	327.85	1,972.5	237.0	-148.9	279.9	0.00	0.00	0.00
2,100.0	12.62	327.85	2,070.0	255.5	-160.6	301.8	0.00	0.00	0.00
2,200.0	12.62	327.85	2,167.6	274.0	-172.2	323.6	0.00	0.00	0.00
2,300.0	12.62	327.85	2,265.2	292.5	-183.8	345.5	0.00	0.00	0.00
2,400.0	12.62	327.85	2,362.8	311.0	-195.5	367.3	0.00	0.00	0.00
2,500.0	12.62	327.85	2,460.4	329.5	-207.1	389.2	0.00	0.00	0.00
2,549.8	12.62	327.85	2,509.0	338.7	-212.9	400.1	0.00	0.00	0.00
8 5/8" Surface Casing									
2,600.0	12.62	327.85	2,558.0	348.0	-218.7	411.0	0.00	0.00	0.00
2,601.1	12.62	327.85	2,559.0	348.2	-218.8	411.3	0.00	0.00	0.00
Mahogany Shale									
2,700.0	12.62	327.85	2,655.5	366.5	-230.3	432.9	0.00	0.00	0.00
2,800.0	12.62	327.85	2,753.1	385.0	-242.0	454.7	0.00	0.00	0.00
2,900.0	12.62	327.85	2,850.7	403.5	-253.6	476.6	0.00	0.00	0.00
3,000.0	12.62	327.85	2,948.3	422.0	-265.2	498.4	0.00	0.00	0.00
3,100.0	12.62	327.85	3,045.9	440.5	-276.8	520.3	0.00	0.00	0.00
3,200.0	12.62	327.85	3,143.5	459.0	-288.5	542.1	0.00	0.00	0.00
3,300.0	12.62	327.85	3,241.0	477.5	-300.1	564.0	0.00	0.00	0.00
3,400.0	12.62	327.85	3,338.6	496.0	-311.7	585.8	0.00	0.00	0.00
3,500.0	12.62	327.85	3,436.2	514.5	-323.4	607.7	0.00	0.00	0.00
3,600.0	12.62	327.85	3,533.8	533.0	-335.0	629.5	0.00	0.00	0.00
3,700.0	12.62	327.85	3,631.4	551.5	-346.6	651.4	0.00	0.00	0.00
3,800.0	12.62	327.85	3,729.0	570.0	-358.2	673.2	0.00	0.00	0.00
3,900.0	12.62	327.85	3,826.5	588.5	-369.9	695.1	0.00	0.00	0.00
4,000.0	12.62	327.85	3,924.1	607.0	-381.5	716.9	0.00	0.00	0.00
4,092.4	12.62	327.85	4,014.3	624.1	-392.2	737.1	0.00	0.00	0.00
4,100.0	12.51	327.85	4,021.7	625.5	-393.1	738.8	1.50	-1.50	0.00
4,200.0	11.01	327.85	4,119.6	642.8	-404.0	759.2	1.50	-1.50	0.00
4,300.0	9.51	327.85	4,218.0	657.8	-413.4	777.0	1.50	-1.50	0.00

EOG Resources, Inc.

Planning Report

Database:	EDM_DENVER	Local Co-ordinate Reference:	Well 119-08D
Company:	Denver Division - Utah	TVD Reference:	RKB @ 4955.0usft (KB GL+25')
Project:	Utah - Central	MD Reference:	RKB @ 4955.0usft (KB GL+25')
Site:	East Chapita 8 NESW Pad	North Reference:	True
Well:	119-08D	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	APD (Plat 4/29/16)		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,400.0	8.01	327.85	4,316.8	670.7	-421.5	792.2	1.50	-1.50	0.00
4,500.0	6.51	327.85	4,416.0	681.4	-428.3	804.8	1.50	-1.50	0.00
4,600.0	5.01	327.85	4,515.5	689.9	-433.6	814.9	1.50	-1.50	0.00
4,700.0	3.51	327.85	4,615.3	696.2	-437.6	822.3	1.50	-1.50	0.00
4,800.0	2.01	327.85	4,715.1	700.3	-440.1	827.1	1.50	-1.50	0.00
4,900.0	0.51	327.85	4,815.1	702.1	-441.3	829.3	1.50	-1.50	0.00
4,933.9	0.00	0.00	4,849.0	702.3	-441.4	829.4	1.50	-1.50	94.86
Wasatch									
5,000.0	0.00	0.00	4,915.1	702.3	-441.4	829.4	0.00	0.00	0.00
5,100.0	0.00	0.00	5,015.1	702.3	-441.4	829.4	0.00	0.00	0.00
5,200.0	0.00	0.00	5,115.1	702.3	-441.4	829.4	0.00	0.00	0.00
5,300.0	0.00	0.00	5,215.1	702.3	-441.4	829.4	0.00	0.00	0.00
5,400.0	0.00	0.00	5,315.1	702.3	-441.4	829.4	0.00	0.00	0.00
5,500.0	0.00	0.00	5,415.1	702.3	-441.4	829.4	0.00	0.00	0.00
5,534.9	0.00	0.00	5,450.0	702.3	-441.4	829.4	0.00	0.00	0.00
Chapita Wells									
5,600.0	0.00	0.00	5,515.1	702.3	-441.4	829.4	0.00	0.00	0.00
5,700.0	0.00	0.00	5,615.1	702.3	-441.4	829.4	0.00	0.00	0.00
5,800.0	0.00	0.00	5,715.1	702.3	-441.4	829.4	0.00	0.00	0.00
5,900.0	0.00	0.00	5,815.1	702.3	-441.4	829.4	0.00	0.00	0.00
6,000.0	0.00	0.00	5,915.1	702.3	-441.4	829.4	0.00	0.00	0.00
6,100.0	0.00	0.00	6,015.1	702.3	-441.4	829.4	0.00	0.00	0.00
6,200.0	0.00	0.00	6,115.1	702.3	-441.4	829.4	0.00	0.00	0.00
6,215.9	0.00	0.00	6,131.0	702.3	-441.4	829.4	0.00	0.00	0.00
Buck Canyon									
6,300.0	0.00	0.00	6,215.1	702.3	-441.4	829.4	0.00	0.00	0.00
6,400.0	0.00	0.00	6,315.1	702.3	-441.4	829.4	0.00	0.00	0.00
6,500.0	0.00	0.00	6,415.1	702.3	-441.4	829.4	0.00	0.00	0.00
6,600.0	0.00	0.00	6,515.1	702.3	-441.4	829.4	0.00	0.00	0.00
6,700.0	0.00	0.00	6,615.1	702.3	-441.4	829.4	0.00	0.00	0.00
6,800.0	0.00	0.00	6,715.1	702.3	-441.4	829.4	0.00	0.00	0.00
6,848.9	0.00	0.00	6,764.0	702.3	-441.4	829.4	0.00	0.00	0.00
North Horn									
6,900.0	0.00	0.00	6,815.1	702.3	-441.4	829.4	0.00	0.00	0.00
7,000.0	0.00	0.00	6,915.1	702.3	-441.4	829.4	0.00	0.00	0.00
7,100.0	0.00	0.00	7,015.1	702.3	-441.4	829.4	0.00	0.00	0.00
7,200.0	0.00	0.00	7,115.1	702.3	-441.4	829.4	0.00	0.00	0.00
7,256.9	0.00	0.00	7,172.0	702.3	-441.4	829.4	0.00	0.00	0.00
KMV Price River									
7,300.0	0.00	0.00	7,215.1	702.3	-441.4	829.4	0.00	0.00	0.00
7,400.0	0.00	0.00	7,315.1	702.3	-441.4	829.4	0.00	0.00	0.00
7,500.0	0.00	0.00	7,415.1	702.3	-441.4	829.4	0.00	0.00	0.00
7,600.0	0.00	0.00	7,515.1	702.3	-441.4	829.4	0.00	0.00	0.00
7,700.0	0.00	0.00	7,615.1	702.3	-441.4	829.4	0.00	0.00	0.00
7,800.0	0.00	0.00	7,715.1	702.3	-441.4	829.4	0.00	0.00	0.00
7,900.0	0.00	0.00	7,815.1	702.3	-441.4	829.4	0.00	0.00	0.00
8,000.0	0.00	0.00	7,915.1	702.3	-441.4	829.4	0.00	0.00	0.00
8,051.9	0.00	0.00	7,967.0	702.3	-441.4	829.4	0.00	0.00	0.00
KMV Price River Middle									
8,100.0	0.00	0.00	8,015.1	702.3	-441.4	829.4	0.00	0.00	0.00
8,200.0	0.00	0.00	8,115.1	702.3	-441.4	829.4	0.00	0.00	0.00
8,300.0	0.00	0.00	8,215.1	702.3	-441.4	829.4	0.00	0.00	0.00
8,400.0	0.00	0.00	8,315.1	702.3	-441.4	829.4	0.00	0.00	0.00

EOG Resources, Inc.

Planning Report

Database:	EDM_DENVER	Local Co-ordinate Reference:	Well 119-08D
Company:	Denver Division - Utah	TVD Reference:	RKB @ 4955.0usft (KB GL+25')
Project:	Utah - Central	MD Reference:	RKB @ 4955.0usft (KB GL+25')
Site:	East Chapita 8 NESW Pad	North Reference:	True
Well:	119-08D	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	APD (Plat 4/29/16)		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,500.0	0.00	0.00	8,415.1	702.3	-441.4	829.4	0.00	0.00	0.00
8,600.0	0.00	0.00	8,515.1	702.3	-441.4	829.4	0.00	0.00	0.00
8,700.0	0.00	0.00	8,615.1	702.3	-441.4	829.4	0.00	0.00	0.00
8,800.0	0.00	0.00	8,715.1	702.3	-441.4	829.4	0.00	0.00	0.00
8,830.9	0.00	0.00	8,746.0	702.3	-441.4	829.4	0.00	0.00	0.00
KMV Price River Lower									
8,900.0	0.00	0.00	8,815.1	702.3	-441.4	829.4	0.00	0.00	0.00
9,000.0	0.00	0.00	8,915.1	702.3	-441.4	829.4	0.00	0.00	0.00
9,100.0	0.00	0.00	9,015.1	702.3	-441.4	829.4	0.00	0.00	0.00
9,200.0	0.00	0.00	9,115.1	702.3	-441.4	829.4	0.00	0.00	0.00
9,300.0	0.00	0.00	9,215.1	702.3	-441.4	829.4	0.00	0.00	0.00
9,350.9	0.00	0.00	9,266.0	702.3	-441.4	829.4	0.00	0.00	0.00
Sego									
9,400.0	0.00	0.00	9,315.1	702.3	-441.4	829.4	0.00	0.00	0.00
9,500.0	0.00	0.00	9,415.1	702.3	-441.4	829.4	0.00	0.00	0.00
9,550.9	0.00	0.00	9,466.0	702.3	-441.4	829.4	0.00	0.00	0.00

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
119-08D PBHL	0.00	1.38	4,849.0	702.3	-441.4	632,310.37	2,600,125.50	40° 2' 58.616 N	109° 21' 21.739 W
- hit/miss target									
- Shape									
- plan hits target center									
- Circle (radius 50.0)									

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")	
2,549.8	2,509.0	8 5/8" Surface Casing	8-5/8	11	
9,550.9	9,466.0	4 1/2" Long String	4-1/2	7-7/8	

EOG Resources, Inc.

Planning Report

Database:	EDM_DENVER	Local Co-ordinate Reference:	Well 119-08D
Company:	Denver Division - Utah	TVD Reference:	RKB @ 4955.0usft (KB GL+25')
Project:	Utah - Central	MD Reference:	RKB @ 4955.0usft (KB GL+25')
Site:	East Chapita 8 NESW Pad	North Reference:	True
Well:	119-08D	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	APD (Plat 4/29/16)		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
1,658.3	1,639.0	Green River		0.00		
1,964.7	1,938.0	Birdsnest Zone		0.00		
2,601.1	2,559.0	Mahogany Shale		0.00		
4,933.9	4,849.0	Wasatch		0.00		
5,534.9	5,450.0	Chapita Wells		0.00		
6,215.9	6,131.0	Buck Canyon		0.00		
6,848.9	6,764.0	North Horn		0.00		
7,256.9	7,172.0	KMV Price River		0.00		
8,051.9	7,967.0	KMV Price River Middle		0.00		
8,830.9	8,746.0	KMV Price River Lower		0.00		
9,350.9	9,266.0	Sego		0.00		

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EAST CHAPITA 8
SURFACE USE PLAN OF OPERATIONS

Township 9 South, Range 23 East, Section 8, S.L.B.M.
Uintah County, Utah

PAD NAME

EAST CHAPITA 8 NESW

WELL NAMES

East Chapita 118-08D
East Chapita 119-08D
East Chapita 120-08D
East Chapita 121-08D
East Chapita 126-08D
East Chapita 127-08D
East Chapita 128-08D
East Chapita 129-08D

East Chapita 134-08D
East Chapita 135-08D
East Chapita 136-08D
East Chapita 137-08D
East Chapita 141-08D
East Chapita 142-08D
East Chapita 143-08D

JULY 25, 2016

OPERATOR:

EOG Resources, Inc.
600 17th Street, Suite 1000N
Denver, Colorado 80202
303-572-9000

RECEIVED: August 25, 2016

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East Chapita 8 NESW Surface Use Plan of Operation

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*East Chapita 8 NESW Surface Use Plan of Operation***1.0 Introduction**

This Surface Use Plan of Operations (SUPO) provides detail and information with respect to surface facilities, construction practices, infrastructure, and maintenance during operation within EOG Resources, Inc.'s (EOG) proposed action.

EOG is proposing fifteen (15) new gas wells located within Section 8, Township 9 South - Range 23 East, S.L.B M., Uintah County, Utah. The wells would be located 58 miles south of Vernal, UT.

This project consists of one new well pad, the *EAST CHAPITA 8 NESW*, and a central facility pad named the *EAST CHAPITA SECTION 8 CENTRAL FACILITY* (see *Table 1-1*) located on Federal surface with underlying Federal minerals. Title to the oil and gas mineral interest is federally owned and is administered by the Vernal District Field Office of the Bureau of Land Management (BLM).

Table 1-1 Affected Surface

Pad Name	Section Township Range	No. of Wells on Pad	Surface Owner -- Pad--	Surface Owner -- Access Road--
East Chapita 8 NESW	8-T9S-R23E	15	BLM	BLM
East Chapita Section 8 Central Facility	8-T9S-R23E	N/A	BLM	BLM

Drilling would determine whether gas production could be established. Unproductive drill holes would be plugged and abandoned in accordance to Onshore Order #2 Drilling operations III, g, as soon as evaluation of the production intervals were conclusive. Approximate timeframes for drilling and completions operations are shown below in *Table 1-2*.

Average daily traffic (ADT) for the drilling phase (1-3 weeks) is estimated to be 1-5 large trucks and 7-14 personal pick-up trucks per day. ADT for the completions phase (2-3 weeks) is estimated to be 20-35 large trucks and 2-8 personal pick-up trucks per day. ADT for the production phase is estimated to be 2-3 large trucks and 1-2 personal pick-up trucks per day. These are estimates and will vary on a well-by-well basis.

The proposed action is to directionally drill and produce fifteen (15) conventional gas wells from a single well pad and central facility located on Federal lands within Section 8, T9S, R23E, for the development of the Federal mineral estate to the Wasatch/Mesaverde formation.

Table 1-2 Construction, Drilling and Completion Timeframes

Drilling and Completion Step	Approximate Duration
Build Location (roads, pad, and other initial infrastructure)	10-15 days
Mobilize Drilling Rig	5-8 days per pad
Drilling (24-hour operations)	6-10 days per well
Schedule/Logistics for Completion	20 days per pad
Completion (setup, completion, demobilization)	90 days per pad

*East Chapita 8 NESW Surface Use Plan of Operation***2.0 Disturbance Description**

The proposed action will require two engineered (cut & fill) pads; one well pad, 400 feet by 540 feet and one central facility pad, 550 feet by 650 feet. Approximately 1,663 feet of new access road is required, 1,082 feet of trench for buried pipeline from the well pad to the central facility pad, 12,793 feet for a buried produced water line, and 16,205 feet for a surface gas pipeline. Total project surface disturbance calculations are shown in *Table 2-1*.

Operator committed mitigation measures for the pad include: wellhead telemetry for remote monitoring to reduce maintenance traffic and increase safety; installation of cattle guards at all fence crossings (unless requested otherwise by the authorized officer); produced water transport via buried pipeline to EOG's existing disposal wells to reduce truck traffic, tailpipe emissions, and fugitive dust; and, installation of bird screens on all applicable equipment with stacks.

The pad has been designed to eliminate any long-term material excess. No construction material will be stored on location. Topsoil would be windrowed, seeded and stabilized along the boundary of the location, In accordance with EOG's BLM approved reclamation plan.

Table 2-1 Total Well Pad, Access Road and Pipeline Interim Surface Disturbance

Pad Name	Pad Activity	Length (ft)	Interim Surface Disturbance 30-50' Width (ft)	Interim Disturbance Area (Acres)
East Chapita 8 NESW	Cut/Fills, Topsoil, Spoil Pile	*varies	*varies	6.582
	Road Disturbance	1,074	60	1.479
	Pipeline	1,082	50	1.242
	Total Disturbance	*varies	*varies	9.303
East Chapita Section 8 Central Facility	Cut/Fills, Topsoil, Spoil Pile	*varies	*varies	9.258
	Road Disturbance	870	60	1.198
	Gas Pipeline	16,205	30	11.160
	Produced Water Pipeline	12,793	50	14.684
	Total Disturbance	*varies	*varies	36.300

*see enclosed plat packets

*East Chapita 8 NESW Surface Use Plan of Operation***Table 2-2 Total Well Pad, Access Road and Pipeline Final Surface Disturbance**

Pad Name	Pad Activity	Length (ft)	Surface Disturbance Width (ft)	Final Disturbance Area (Acres)
East Chapita 8 NESW	Cut/Fills, Topsoil, Spoil Pile	*varies	*varies	2.256
	Road Disturbance	1,074	30	0.740
	Pipeline	1,082	30	0.745
	Total Disturbance	*varies	*varies	3.741
East Chapita Section 8 Central Facility	Cut/Fills, Topsoil, Spoil Pile	*varies	*varies	9.258
	Road Disturbance	870	30	0.599
	Gas Pipeline	16,205	30	11.160
	Produced Water Pipeline	12,793	30	8.811
	Total Disturbance	*varies	*varies	29.828

*see enclosed plat packets

3.0 Access Roads

The proposed well pad access road would be approximately 1,074 feet, more or less, beginning at the northern edge of the well pad in Section 8, T9S-R23E and extending northeasterly where it would intersect with the central facility pad's western access road.

There would be two access roads to the central facility pad. Together they would be 870 feet in length. The western access begins at the northwestern edge of the pad and extends northwest 334 feet to Class D, County Road, Coyote Wash. The eastern access from the central facility begins at the northeastern edge of the pad and extends 536 feet northeast to a Class D, County Road, Coyote Wash.

3.1 Existing Roads

Refer to *Topo A* and *B* in the corresponding plat packages for the location of existing access roads.

Directions to the proposed well pad and central facility are provided in the plat packages submitted with the Application for Permit to Drill (APD). Existing roads would be maintained in the same or better condition prior to commencement of operations. Maintenance of the roads to the proposed well pad and central facility would continue until final abandonment and reclamation of all wells.

*East Chapita 8 NESW Surface Use Plan of Operation***3.2 Access Roads to be Constructed or Up-graded**

The access road and associated drainage structures will be constructed and maintained in accordance with road guidelines contained in the joint BLM/USFS publication: *Surface Operating Standards for Oil and Gas Exploration and Development, Fourth Edition*, and/or *BLM Manual Section 9113* concerning road construction standards on projects subject to federal jurisdiction.

The proposed access roads will be completed as a single lane, 16' wide, and 40' subgrade, crowned and ditched road. No turnouts are anticipated for this project. Two (2) 18" culverts will be installed at each of the central facility access roads at the approach from Class D, County Road, Coyote Wash, as depicted in the attached *Topo B* plats.

The access road will be constructed with a 4:1 slope for ditches. Rip rap will be used along the slopes as needed for stabilization. A minimum of six (6) inches of topsoil will be stripped from the new access road prior to any further construction activity. Stripped topsoil will be stored along the sides of the new access road and stabilized by seeding and/or matting, as appropriate. Three (3) inch minus gravel will be used only as needed for road base integrity. Surface disturbing activities will be confined within the authorized area.

Topo B plats for the well pad and central facility depicts the planned road alignment.

The maximum grade of the new access roads will be less than eight percent (8%). There are no major cuts or fills, bridges, gates, cattle guards or fences anticipated along the proposed access routes.

The access road will be constructed and maintained as necessary to prevent soil erosion and accommodate all-weather traffic. The roads will be crowned and ditched to provide for proper drainage along the access road route and in accordance to best management practices. If the access road is dry during construction, drilling, and/or completion activities, water will be applied to the access road to help facilitate road compaction (during construction), provide dust abatement, and minimize soil loss.

Construction activity will not be conducted using frozen or saturated soil material(s) or during periods when watershed damage is likely to occur.

During the drilling and production phase of operations, the road surface and shoulders will be kept in a safe and useable condition and drainage ditches and culverts will be kept clear and free flowing.

4.0 Facilities**4.1 Location of Existing Wells Within a One-mile Radius**

Please refer to *Topo C* in the corresponding plat package for each well for the location of existing wells within a 1-mile radius.

4.2 Location of Proposed Central Facility

EOG proposes a central facility be located within Section 8, T9S-R23E, on Federal Lease UTU-80939 to accommodate production facilities. See *Figure #3, Facilities* diagram, included in the corresponding plat

East Chapita 8 NESW Surface Use Plan of Operation

package identifying the proposed central facility layout. Facilities would be located on the disturbed portion of the pad and at a minimum of 25 feet from the toe of the back slope.

The central facility pad would be built to house production for up to 59 wells. Production from the wells as referenced within *Table 4-1* would be surface commingled into a common central facility, located within a common Federal lease UTU-80939. Surface Commingling and offsite measurement approval would not be required.

Table 4-1 Pads and Well Accommodated by the Central Facility

Pad Name	Well Name	Lease
East Chapita 8 NWSE	East Chapita 122-08D East Chapita 123-08D East Chapita 124-08D East Chapita 125-08D East Chapita 130-08D East Chapita 131-08D East Chapita 132-08D East Chapita 133-08D East Chapita 138-08D East Chapita 139-08D East Chapita 144-08D East Chapita 145-08D	UTU-80939
East Chapita 8 SENE	East Chapita 204-08D East Chapita 205-08D East Chapita 206-08D East Chapita 207-08D East Chapita 212-08D East Chapita 213-08D East Chapita 214-08D East Chapita 215-08D East Chapita 220-08D East Chapita 221-08D East Chapita 222-08D East Chapita 223-08D East Chapita 228-08D East Chapita 229-08D East Chapita 230-08D East Chapita 231-08D	UTU-80939
East Chapita 8 SENW	East Chapita 200-08D East Chapita 201-08D East Chapita 202-08D East Chapita 203-08D East Chapita 208-08D	UTU-80939

East Chapita 8 NESW Surface Use Plan of Operation

Pad Name	Well Name	Lease
	East Chapita 209-08D East Chapita 210-08D East Chapita 211-08D East Chapita 216-08D East Chapita 217-08D East Chapita 218-08D East Chapita 219-08D East Chapita 224-08D East Chapita 225-08D East Chapita 226-08D East Chapita 227-08D	
East Chapita 8 NESW	East Chapita 118-08D East Chapita 119-08D East Chapita 120-08D East Chapita 121-08D East Chapita 126-08D East Chapita 127-08D East Chapita 128-08D East Chapita 129-08D East Chapita 134-08D East Chapita 135-08D East Chapita 136-08D East Chapita 137-08D East Chapita 141-08D East Chapita 142-08D East Chapita 143-08D	UTU-80939

The proposed central facility will consist of eight to eleven (8-11) 400 – 500 barrel (bbl) tanks. Two to three (2-3) for oil and six to eight (6-8) for produced water, as needed to support oil and water production. Proposed tank counts and configurations are detailed in the *Figure #3, Facilities* diagram and may be subject to change as required to support oil and water production.

A measurement instrumentation building would be placed on the well site to measure well fluids through an orifice plate. The central facility would include three to four (3-4) dehy units, two (2) separators, each with meters used as required for efficient well production and would be changed out as required by production volumes.

There will be two sealed 135-gallon (175-gallon closed containment) chemical tanks designated to each well on the well pad to prevent corrosion.

Once wells are on production, a pumper would visit the location as needed to monitor the production facilities, gauge fluid levels, and ensure that all equipment is functioning properly. Condensate would be hauled by truck and tank gauging would be implemented.

All permanent (on site six months or longer) above ground structures constructed or installed on location and not subject to safety requirements would be painted Carlsbad Canyon, as described in the BLM “Standard Environmental Colors Chart.”

East Chapita 8 NESW Surface Use Plan of Operation

All safety measures have been considered in the design, construction, operation, and maintenance of the central facility. EOG would have a designated representative present during construction. Any accidents to persons or property on federal lands would immediately be reported to the Authorized Officer.

4.3 Central Facility Containment

EOG would install and maintain containment berms constructed around the perimeter of the tank batteries. Containment will be constructed of compacted subsoil, be sufficiently impervious, designed to hold a minimum of 110 percent of the largest tank, and be independent of the back cut.

4.4 Electrification/Generation

Solar panels will be used to operate production measurement instrumentation. Remaining equipment would be powered by generators, to approximately 300 kW, at the central facility. The generators would be fueled by natural gas produced from the wellhead. The noise level from the generator would be approximately 100 dB at 50' dependent on load levels.

4.5 Remote Telemetry

EOG installs and utilizes remote wellhead telemetry at well sites to monitor well and facility operational parameters. Use of telemetry reduces vehicle traffic to the site and thus reduces traffic noise, fugitive dust, and reduces vehicle incidents.

5.0 Production Flowlines and Pipelines

The purpose of the proposed pipelines is to facilitate transport of natural gas produced from the associated wells, Federal Lease UTU-80939, to the central facility located in Section 8, T9S-R23E, then to market for sales. Project pipelines include flowlines for well fluids, gas delivery lines, fresh water, produced water lines and, tracer line for buried pipe. Instrumentation air line may be included in the trenches for control valve regulation. See individual pipeline detail in *Sections 5.1* and *5.2*, and in *Table 5.1* below.

Pipelines will be operated year round and maintained in accordance with industry and government standards. The volume of natural gas is not known at this time.

EOG Resources, Inc. is authorized to operate in the state of Utah with proper documentation filed in the appropriate federal, state, and regional office. EOG Resources, Inc. has demonstrated its financial and technical capabilities to construct, operate, maintain and terminate previous pipelines.

Prior to construction, EOG Resources, Inc. uses rubber tired vehicles to initially survey and flag the centerline of the proposed route, utilizing existing areas of disturbance as much as possible (access roads, other pipelines, etc.).

EOG Resources would install permanent ROW barricades guarding above ground piping (i.e. risers, valves, scrubbers etc). The barricades will be constructed of 4½" diameter (minimum) steel pipe supports. The vertical steel supports will be a minimum of 6 feet tall of which 3 feet will be buried under ground. There will be a minimum of two horizontal cross braces welded to the vertical steel supports. The horizontal cross braces will be made of a minimum of 2" diameter steel and will be above ground.

Standard buried pipeline construction techniques will be used during the project. The right-of-way will be cleared using a grader. Scrub vegetation such as sagebrush, greasewood, grasses, etc., will be scalped and temporarily windrowed along the edge of the ROW. Scalping removes surface vegetation, while allowing the root systems to remain in place thereby reducing potential erosion and allowing more successful re-vegetation. Backhoes or trenching machines are used to excavate a pipeline trench. The

East Chapita 8 NESW Surface Use Plan of Operation

soil that is excavated during ditching operations is temporarily stockpiled on the non-working side of the trench. Trenches will not be left open longer than 48 hours if possible and soft plugs will be installed every ¼ mile when the trench is left open overnight.

The pipe will be strung along the trench and fused (poly) or welded (steel) prior to being lowered into the trench. Buried steel lines would be coated with 16 to 20 mil of fusion bonded epoxy coating. Individual joints of pipe would be strung along the right of way adjacent to the excavated ditch and arranged so they are accessible to construction personnel. The pipe assembly would be lowered into the trench by the side-boom tractors. Tracer wire would be installed in the ditch with the 8" HDPE (High Density Polyethylene) SDR 9 for future locating purposes. The welded steel connections are then visually or radiographically inspected in accordance with American Petroleum Institute Standards (API).

The pipe would be buried a minimum of 78" (6' plus the diameter of the pipe) deep with the exception of areas where rock is encountered which requires ripping or shooting.

The trench is back filled and packed using backfilling or bladed equipment: no foreign materials are permitted in the trench. These same procedures are used when crossing dirt and gravel roads. The pipeline will be at a minimum of six feet (6') deep under all roads. Where applicable, the pipeline would be placed as close to the road as safely possible. The proposed pipeline cannot be installed in the barrow ditch and at least 5 feet is required from the edge of the road. When paralleling a power line, EOG Resources, Inc. must stay a minimum of 10 feet away from centerline. If crossing over or under a power line this is considered an encroachment and would be handled accordingly. All construction equipment and vehicles shall be confined to using existing roads and the right of way.

Surface disturbing activities will be confined within the right-of-way. All construction and maintenance activities shall cease when soils or road surfaces are frozen or become saturated, such that construction equipment is unable to stay within the right-of-way, and before activities cause irreparable harm to roads, soils, or excessive siltation of live flowing streams.

Table 5-1 Project Pipeline Technical Detail

Line	Buried/ Surface	Specifications	Length (ft)
Well Fluids	Buried	8" flex steel flowline, 0.83 wall thickness, rated to 1500 psi	1,082
HP Gas Delivery	Buried	4" flex pipe, 0.6 wall thickness, rated to 1500 psi	1,082
Produced Water Line	Buried	8" 8.625" OD 0.958" wt, SDR9 HDPE, ANSI 150, MAWP 200 psig	13,875*
Gas	Surface	8" Schedule 20 ERW, 0.25 wt, Grade B or equivalent, 1014 MAWP	16,205
Tracer	Buried	12 gauge shielded copper tracer wire	13,875*
Instrumentation Air Line	Buried	2" Poly SDR 9	13,875*

* The distance from source to central facility, 12,793' plus the distance from the well pad to the central facility 1,082'.

East Chapita 8 NESW Surface Use Plan of Operation

5.1 Well Pad Pipelines

The pipelines for wells associated with the *East Chapita 8 NESW* pad would follow adjacent the well pad access road, intersect with and then follow the central facility pad's access road as described in *Topo B* and in *Section 3.0*. The total length of the trench from the well pad to the central facility pad to accommodate the pipelines would be approximately 1,082 feet. See *East Chapita 8 NESW, Topo D*.

The trenches between the well pad, as described in *Table 4.1* and the central facility would accommodate one 8" flex steel flowline, 0.83 wall thickness, rated to 1500 psi, for well fluids; one 4" flex pipe, 0.6 wall thickness, rated to 1500 psi, gas delivery line for gas lift; one 2" poly instrumentation air –line for control valve regulation (if used); and, one 12 gauge shielded copper tracer wire.

5.2 Central Facility Pipelines

The central facility would serve the fifteen (15) proposed wells on the *East Chapita 8 NESW* pad and 44 additional anticipated wells as described in *Table 4.1* above. An 8" poly buried pipeline would transport produced water from the central facility to federally authorized underground disposal facilities. The line may also be used to delivery recycled water to the central facility for future completions operations (see *Table 8.1*); a 4" flex pipe surface gas pipeline would transport gas from the central facility to market; one 2" poly instrumentation air –line may be used for control valve regulation (if used); and, one 12 gauge shielded copper tracer wire.

5.2.1 Surface Gas Pipeline

The purpose of the proposed surface gas pipeline is to transport of natural gas from the central facility located in Section 8, T9S-R23E (Federal Lease UTU-80939) to market for sales.

EOG proposes to install an 8" Schedule 20 ERW, 0.25 wall thickness, Grade B or equivalent, 1014 MAWP, gas pipeline. It would be installed and pressure tested hydrostatically to a minimum of 300 psi and maximum of 350 psi for a four (4) hour test period.

The length of the proposed surface gas pipeline would be 16,205'. It would lay within a 30' right-of-way (15' on each side of the centerline) as depicted in the attached *Gathering Pipeline Map, Topo D1* and disturb approximately 11.160 acres, more or less. (See disturbance *Tables 2-1* and *2-2*.)

The proposed surface gas pipeline leaves the NW edge of the central facility pad on Federal Lease UTU-80939, in Section 8, T9S-R32E, proceed in a west, southwesterly direction for 2,225', enter the in the NESE of Section 7, T9S-R22E, located on Federal Lease UTU-0343 within the Chapita Wells Unit UTU-63013, proceed west, southwesterly, for 5,666', enter in the SESE Section 12, T9S-R22E, located on Federal Lease UTU-0281, within the Chapita Wells Unit UTU-63013, proceed southwest for 1,261', enter from the north in the NENE of Section 13, T9S-R22E, located on Federal Lease UTU-0282, within Chapita Wells Unit UTU-63013, proceed southerly, then easterly for 1,577', enter Lot 1, proceed south into Lot 2 of Section 18, T9S-R23, located on Federal Lease UTU-0337, within Chapita Wells Unit UTU-63013, for 1,022', proceed south and westerly into the NESW of Section 13, T9S-R22E, located on Federal Lease UTU-0282, within the Chapita Wells Unit UTU-63013 for 4,454', there tying into an existing pipeline.

East Chapita 8 NESW Surface Use Plan of Operation

5.2.2 Buried Produced Waterline

The purpose of the proposed buried pipeline is to transport produced water from wells on the *East Chapita 8 NESW* pad and anticipated wells as described in *Table 4.1* through the *East Chapita Section 8 Central Facility* to EOGs existing produced water facilities within Section 16, T9S-R23E, authorized under Special Use Lease 1549 with *State of Utah School Institutional Trust Lands Administration* (SITLA), then to Federally authorized disposal wells (see *Table 8-1*). The pipeline will be operated year round and be maintained in accordance with industry and government standards. The volume of produced water is estimated to be 90 bbls per day, more or less.

EOG proposes to install a permanent eight inch (8") 8.625" OD 0.958"wt, SDR9 HDPE, ANSI 150, MAWP 200 psig buried pipeline approximately 12,793 feet in length. It would be installed and pressure tested hydrostatically to a minimum of 300 psi and maximum of 350 psi for a four (4) hour test period.

The length of the proposed buried produced water pipeline would be 12,793 feet. It would lay within a 30 foot permanent ROW (15' on each side of the centerline) as depicted in the attached *Gathering Pipeline Map, Topo D2*. Initial disturbance for the proposed ROW will be approximately 14.684 acres, more or less and is requested for a period of 90 days from the beginning of construction. Thereafter the final disturbance will be approximately 8.811 acres, more or less (12,793 by 30 feet wide). (See disturbance *Tables 2-1* and *2-2*.)

The proposed buried produced waterline would leave the NE edge of the central facility pad on Federal Lease UTU-80939, in Section 8, T9S-R32E and proceed in an easterly direction adjacent and on the south side of Class D, County Road, Coyote Wash, through Section 9, T9S-R32E, also Federal Lease UTU-80939, for 9,036', entering the NWSW of Section 10, T9S-R32E, Federal Lease UTU-72634, proceeding southeast along the west side of Class D, County Road, Coyote Wash, then transitioning west for 1,049', proceeding into the SESE of 9, T9S-R32E, Federal Lease UTU-67868, west and then south for 2,174', entering onto State Lands the NENE of Section 16, T9S-R32E, proceeding south 534' and there tying into the eastern an existing pipeline in the NENE of Section 16, T9S- R23E.

6.0 Location and Type of Water Supply

Water for drilling and completions would be obtained from a combination of two permitted sources. Sources and storage locations are detailed in *Table 6-1*. Water would be transported through EOGs temporary fresh water surface line to be laid completely within Uintah County Rights-of-Way.

Table 6-1 EOG Permitted Water Storage Locations

Facility	Legal Description
Bonanza Power Plant (State Water Right #49-225 (A31368)	Section 26, T8S, R23E
Bonanza Power Plant Cooling Ponds	Section 26, T8S, R23E

A water supply well would not be drilled as part of development activities included within the project area.

During the drilling stages, 1,000 to 5,000 barrels of water would be used. During the completions stages 20,000 to 25,000 bbls of water would be used. Actual volumes used would depend upon wellsite conditions/planning during operations. Fresh water would be transported by through a temporary fresh water surface line from existing water sources as described in *Table 6-1*.

East Chapita 8 NESW Surface Use Plan of Operation

EOG would recycle flowback and produced water to use in future completion operations. Thereafter it would be piped and disposed as described in Section 8.0 below. Water to be recycled would be transported via pipe from the well to the central facility, filtered, cleaned and treated there. From the central facility the recycled water would be piped to the next well for completion operation of those wells.

7.0 Source of Construction Materials

Any construction materials that may be required for surfacing of the well pad and access roads will be obtained from a contractor having a permitted source of materials within the general area.

8.0 Methods of Handling Waste Disposal

Fracture stimulation fluids and produced water would be stored in 20 to 30 above ground tanks on location, then transported via the proposed and existing produced water transportation pipeline and disposed at one of the facilities shown below in *Table 8-1*.

Table 8-1 Authorized Disposal Sites

Disposal Well	Legal Location	Authorization
Coyote 1-16 SWD	SENE Section 16, T9S, R23E	SULA 1549, EPA UT21065-08747
CWU 2-29 SWD	NENW Section 29, T9S, R23E	UTU-85038, EPA UT21049-07108
Hoss 901-36 SWD	NESE Section 36, T8S, R22E	UTU-86010, EPA UT21157-07865
Hoss 903-36 SWD	NWSE Section 36, T8S, R22E	UTU-86010, EPA UT21157-07866
Hoss 904-36 SWD	NESW Section 36, T8S, R22E	UTU-86010, EPA UT21157-07867
Hoss 905-31 SWD	SESW Section 31, T8S, R23E	UTU-86010, EPA UT21157-07868
Hoss 906-31 SWD	NESE Section 31, T8S, R23E	UTU-86010, EPA UT21157-07869
Hoss 907-31 SWD	SESE, Section 31, T8S, R23E	UTU-86010, EPA UT21157-07870

No cuttings or completions pits would be used for any of the proposed wells. Fresh water based cuttings and and/or solids generated by drilling and completion operations will be remediated onsite as per the authorized officer and *UDOGM Environmental Handbook, Version 1.0 1-96* (hereinafter referenced as the *Handbook*).

The *Handbook* provides a guide for managing waste and remedial efforts respective to oil and gas exploration and production activities. It defines wastes, cleanup and abandonment standards for materials and waste to facilitate a determination of responsible and available management options; from waste disposal to remediation and reuse. This is allowed through the identification and definition of standards and ranges for waste and remediation respective to environmental conditions (ex. soil type, distance to groundwater) see *Table 8-2* below and the potential for exposure to sensitive environments or receptors.

The *Handbook* provides a workflow for uniform assessment, including sample collection and analysis, of sites and waste with regard to the sensitivity of a site relative to environmental impact. This impact is evaluated via a ranking system which classifies the sensitivity of a site from Level I to Level II. Level I defines a site as being the most sensitive and therefore restrictive and protective of the surrounding environment meaning most stringent remediation criteria and aggressive requirements for implementation of best management practices to control fate and transport.

East Chapita 8 NESW Surface Use Plan of Operation

A general summary of the standards are provided in *Table 8-2* below; however, to review all parameters and conditions included in evaluating site or waste characteristics refer to the *Handbook*. The *Handbook* is a multiagency collaboration (UDOGM, UDEQ and BLM) which provides the opportunity for common waste under the context of a single or multiple agency purview. Cuttings and solids remediated to acceptable levels and standards specified within the *Handbook* (general summary provided in table below) may be used as beneficially reused as construction materials respective to the subject location. Examples of beneficial use may include but are limited to: containment berms, flow line bedding, road base for access roads and spread on the well pad surface. Cuttings and solids which do not meet or cannot be treated to meet the acceptable levels and standards will then be managed through disposal at an approved treatment, storage or disposal facility.

Table 8-2 Summary of Acceptable Levels and Ranges for Waste and Remediation

Parameter	Acceptable Level or Range	Unit of Measure
Electrical Conductivity (EC)	4	mmho/cm
Total Dissolved Solids (TDS)	2560	Mg/l
Sodium Adsorption Ratio (SAR)	<12	-
Exchangeable Sodium Percentage (ESP)	< 15%	-
TCLP Metals (RCRA 8)	Individually Assessed	Varied
Total Petroleum Hydrocarbons (low sensitivity sites); above background concentrations	10,000	ppm
Total Petroleum Hydrocarbons (high sensitivity sites) ; above background concentrations	30 to 10,000	ppm
Benzene	0.005	ppm

Note: Standards and levels are established considering fate and transport of a given parameter; considering factors of attenuation and persistence.

Table 8-3 Summary of Environmental Parameters in Determining

Criteria
Distance from Contamination to Groundwater
Native Soil Type
Annual Precipitation
Distance to Nearest Municipal Water Well
Distance to Other Water Wells
Distance to Surface Waters
Potentially Affected Populations
Presence of Onsite or Adjacent Utility Conduits

Cuttings will be used within the containment berms and spread on the well pad and access road, excess volumes will be disposed of at an authorized site.

All garbage and non-flammable waste materials would be contained in a self-contained, portable dumpster or trash cage. Upon completion of operations, or as needed, the accumulated trash would be transported to a state approved waste disposal site.

East Chapita 8 NESW Surface Use Plan of Operation

Portable, self-contained chemical toilets would be provided for human waste disposal. Upon completion of operations, or as required, the toilet holding tanks would be pumped and the contents thereof would be disposed of in an approved sewage disposal facility. All state and local laws and regulations pertaining to disposal of human and solid waste would be complied with.

Immediately after drilling operations are completed, all debris and other waste materials not contained in the trash cage would be cleaned up and removed from the location and transported to a state approved waste disposal site. No potentially adverse materials or substances would be left on the location.

Siphons, catchments, drip pans, and absorbent pads would be utilized if necessary for any hydrocarbons that may be produced by the drilling and/or completion operations. Hydrocarbons, contaminated pads, and chemicals would be disposed of at an authorized disposal site.

EOG would maintain a file, per 29 CFR 1910.1200 (g) containing current Materials Safety Data Sheets (MSDS) for all chemicals, compounds, and/or substances which are used during the course of construction, drilling, completion, and production operations for this project. Hazardous materials (substances) which may be found at a site may include:

- Drilling mud and cementing products which are primarily inhalation hazards.
- Fuels (flammable and/or combustible), materials that may be necessary for well completion/stimulation activities.
- Combustible substances and acids/gels (corrosives).

The potential for Superfund Amendments and Reauthorization Act (SARA) listed Extremely Hazardous Substances (EHS) at a site is generally limited to proprietary treating chemicals. All hazardous, EHS, and commercial preparations would be handled in an appropriate manner to minimize the potential for leaks or spills.

9.0 Ancillary Facilities

No ancillary facilities are anticipated.

10.0 Well Site Layout

See corresponding plat packages identifying proposed drill pad layouts, cross sections and cut and fills in relation to topographic features, access onto the pad, and soil stockpiles.

All equipment and vehicles would be confined to the approved disturbed areas as shown on figures in the plat packages (i.e., access road, well pad, and spoil and topsoil storage areas).

EOG utilizes **closed loop systems**. No cuttings or completions pits would be utilized.

A closed loop system would consist of above ground tanks to contain drill cuttings and 8 to 12—500 bbl tanks to contain drilling and completion fluids. Liners would be installed under mud tanks and any tanks used for the storage of cuttings.

Drill cuttings would be separated from the drilling mud by a shale shaker and spread out along one side of the well pad to dry. Following completion of all drilling operations, the water-based cuttings would be remediated on-site and used in berms, for the traffic areas of the well pad, on access roads, and the central facility pad. Any remaining cuttings would be disposed of at an approved waste facility.

East Chapita 8 NESW Surface Use Plan of Operation

Siphons, catchments, drip pans, impervious liners, and absorbent pads would be installed to keep hydrocarbons produced by the drilling and/or completion rigs from entering the closed loop system. Hydrocarbons and contaminated pads would be disposed of in accordance with Utah DEQ requirements.

11.0 Plans for Reclamation of the Surface

EOG would implement the EOG Resources, Inc., *Reclamation Plan*, dated October 19, 2009 (copy attached).

Figure #4, Production Facility Layout Diagram in the attached plat package illustrates the surface area to be reclaimed upon completion of the last well on the pad, as interim reclamation.

12.0 Surface Ownership

The BLM owns the surface of the proposed well pad, central facility and the associated access roads and pipeline routes, excepting that portion of the produced water pipeline which enters into Section 16, R9S-R23E and is owned by the SITLA.

See itemized list below in *Table 12-1* and refer to corresponding plat packages for location descriptions of proposed well sites, and all lands crossed by roads requiring new construction or upgrades.

Table 12-1 Surface Owners across the Project Area

Pad/Access	(QQ) S-T-R	Surface Owner	Lease or ROW No(s).
East Chapita 8 NWSE	NWSE, Sec. 8, T9S-R23E	BLM	UTU-08939
East Chapita 8 SENE	SENE, Sec. 8, T9S-R23E	BLM	UTU-08939
East Chapita 8 SENW	SENW, Sec. 8, T9S-R23E	BLM	UTU-08939
East Chapita 8 NESW	NESW, Sec. 8, T9S-R23E	BLM	UTU-08939
East Chapita 8 Central Facility Pad	SENW, NESW, SWNE, NWSE, Sec. 8, T9S-R23E;	BLM	UTU-08939
Pipeline	(QQ) S-T-R	Surface Owner	Lease or ROW No(s).
East Chapita 8 Central Facility Gas Pipeline	S2NW, NWSW, Sec. 8, T9S-R23E S2, Sec. 7, T9S-R23E; SESE, Sec. 12-T9S-R22E; NENE, S2NE, NWSE, E2SW, Sec. 13, T9S-R22E; L2, L2, Sec. 18, T9S-R23E	BLM	UTU-08939 UTU-0343 UTU-0281 UTU-0282 UTU-0337
East Chapita 8 Central Facility Produced Water Pipeline	S2NE, Sec. 8, T9S-R23E; S2N2, NESE, SESE, Sec. 9, T9S-R23E; W2SW, Sec. 10, T9S-R23E; NWNE, Sec. 16, T9S-R23E*	BLM *SITLA	UTU-08939

13.0 Other Information

All lease and/or unit operations would be conducted in full compliance with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice of

East Chapita 8 NESW Surface Use Plan of Operation

Lessees. The Operator is fully responsible for the actions of its subcontractors. A complete copy of the approved APD would be furnished to the field representative(s) to assist in compliance and shall be on location during construction and drilling operations.

EOG would inform all persons in the area who are associated with this project that they may be subject to prosecution for knowingly disturbing historic or archaeological sites or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator would immediately stop work that might further disturb such materials and contact the Authorized Officer. If the operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the Authorized Officer would assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator would be responsible for mitigation costs. The Authorized Officer would provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the Authorized Officer that required mitigation has been completed, the operator would then be allowed to resume construction.

In addition to the **Best Management Practices** (BMPs) listed within this SUPO, the following additional BMPs may be used when practical on the existing well pad and access road:

- Straw wattles, diversionary berms ditches, channels, and/or erosion control matting would be installed as needed to reduce erosion and runoff impacts.
- Culverts and rip rap of culvert aprons would be installed as needed reduced soil erosion.
- Gravel would be used along access routes minimizing fugitive dust.
- Safety turnouts every 500 to 800 feet as needed.
- Fresh water and/or magnesium chloride as required for dust abatement,
- Telemetry for remote field monitoring reducing truck traffic.
- Freshwater would be transported via temporary fresh water surface lay flat line minimizing fugitive dust and truck traffic.
- Well pads would be sited in areas to avoid historical properties and/or other sensitive cultural resources.
- Bird screens would be used on all applicable equipment with stacks.
- Multiple wells would be drilled from a single well pad reducing overall surface disturbance within the project area.
- Closed-loop drilling systems would be used during drilling and completion operations.
- Produced water will be transported via buried pipeline to EOGs existing produced water transportation system.

East Chapita 8 NESW Surface Use Plan of Operation

14.0 OPERATOR CERTIFICATION

East Chapita 8 NESW
Township 9 South, Range 23 East, Section 8: NESW, S.L.B.& M.
Uintah County, UT
Lease No.: UTU-08939

OPERATOR:

EOG Resources, Inc.
600 17th Street, Suite 1000N
Denver, CO 80202
(303) 572-9000

I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.



By: Barbara Griswold, Sr. Regulatory Specialist

Executed this 28th day of July, 2016.

REPRESENTATIVE:

Barbara Griswold
Sr. Regulatory Specialist
EOG Resources, Inc.
600 17th Street Suite 1000N
Denver, CO 80202
(720) 934-1587 (mobile)
(303) 262-9894 (office)
Barbara_griswold@eogresources.com

East Chapita 8 NESW Surface Use Plan of Operation

15.0 SELF-CERTIFICATION STATEMENT FROM LESSEE / OPERATOR

SURFACE OWNER IDENTIFICATION: BLM, Federal Lease No. UTU-08939

PERMITTING AGENT

EOG Resources, Inc.
Barbara Griswold
600 17th Street, Suite 1000N
Denver, CO 80202
(303) 262-9894

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to insure compliance.

Please be advised that EOG Resources, Inc. is considered to be the operator of all fifteen wells situated on the *EAST CHAPITA 8 NESW* well pad, located in the NESW, of Section 8, T9S, R23E, S.L.B.M., Uintah County, Utah; Federal land and minerals; and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond Coverage is under Bond # NM 2308.

The operator or his/her contractor shall contact the BLM office at (435) 781-4400 forty-eight (48) hours prior to construction activities.

Signed this 28th day of July, 2016.

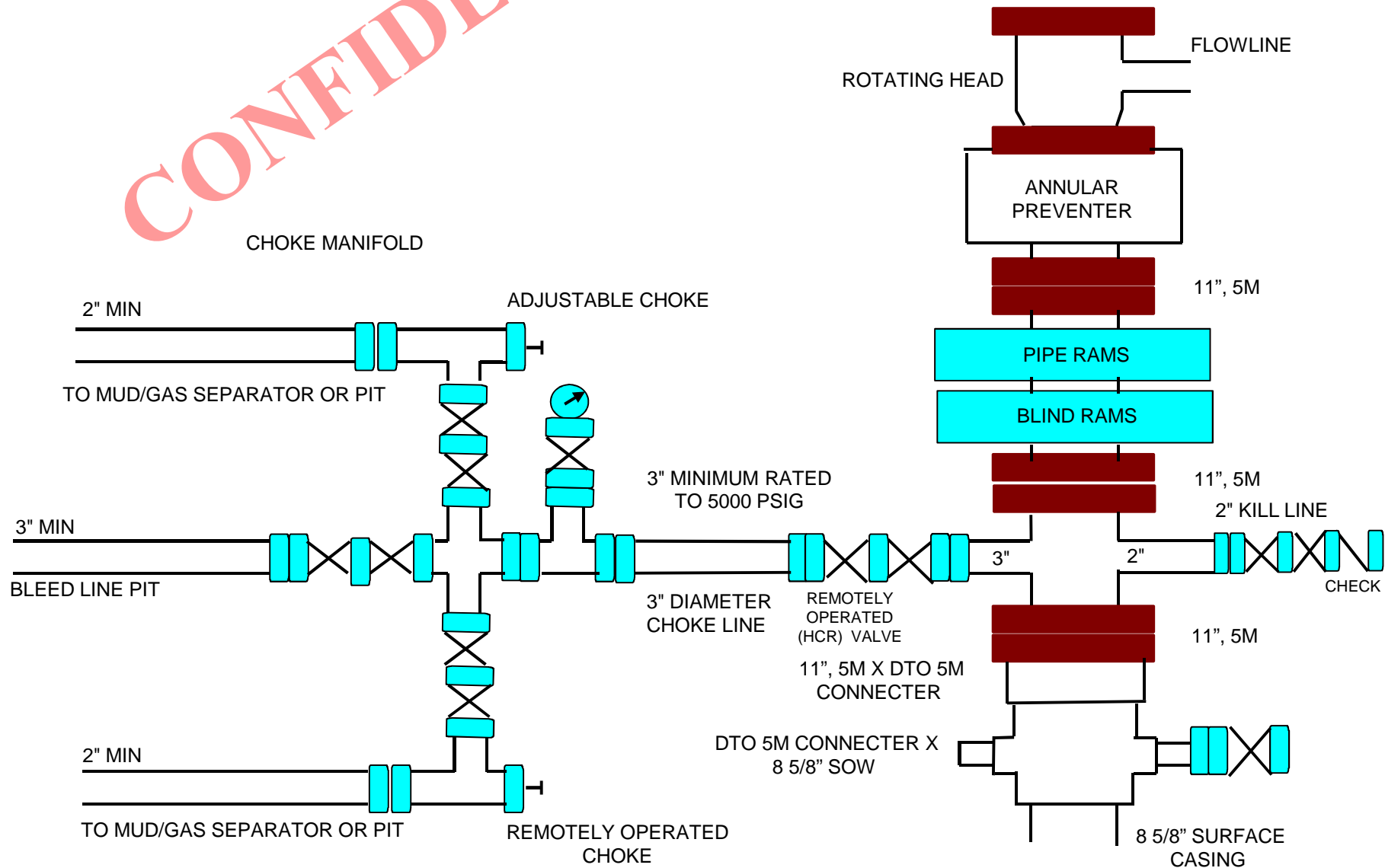
EOG Resources, Inc.



By: Barbara Griswold, Sr. Regulatory Specialist

5000 PSIG BOP & CHOKE DIAGRAM

ANNULAR PREVENTER AND BOTH RAMS ARE 5000 PSIG RATED.



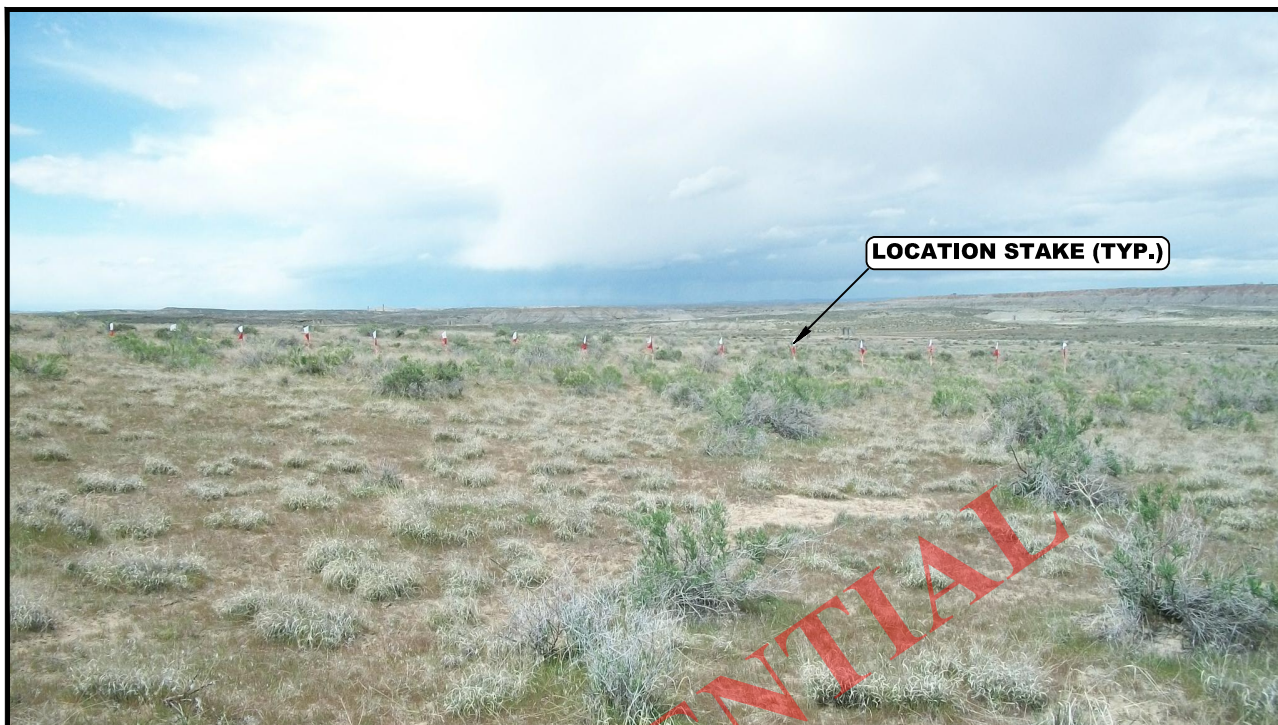


PHOTO: VIEW OF LOCATION STAKES

CAMERA ANGLE: WESTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHWESTERLY

EOG RESOURCES, INC.

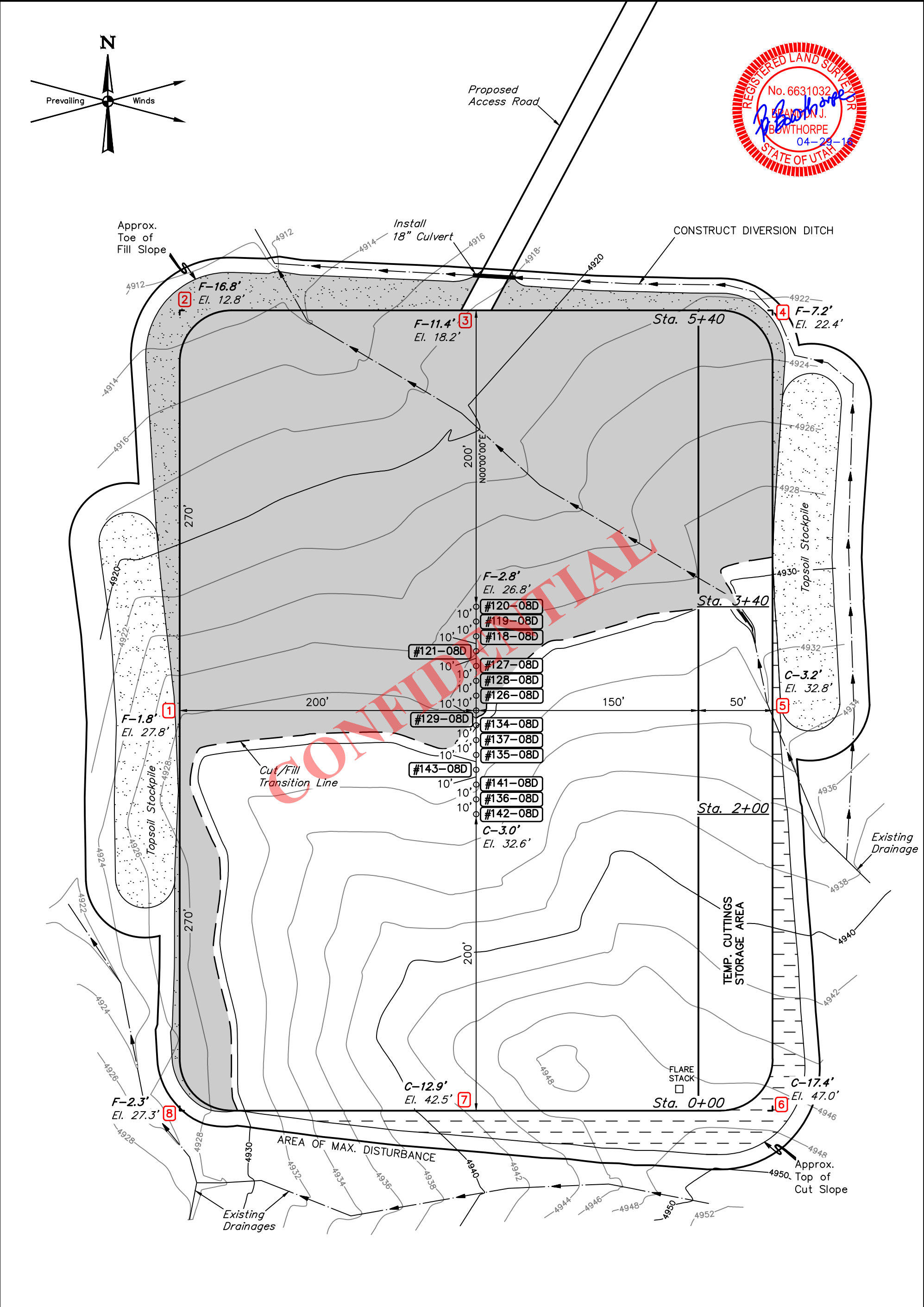
**EAST CHAPITA 8 NESW
NE 1/4 SW 1/4, SECTION 8, T9S, R23E, S.L.B.&M.
UINTAH COUNTY, UTAH**



UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

TAKEN BY	C.R., B.H.	04-25-16	
DRAWN BY	J.M.C.	04-27-16	
LOCATION PHOTOS			PHOTO

RECEIVED: August 25, 2016



NOTE: Earthwork Calculations Require a Fill @ some of the Location Stakes For Balance. All Fill is to be Compacted to a Minimum of 95% of the Maximum Dry Density Obtained by AASHTO Method t-99.

FINISHED GRADE ELEVATION = 4929.6'

- NOTES:
- Flare Stack is to be located a min. of 100' from the wellhead.
 - Round corners at 35' radius or as needed.
 - Construct diversion ditches as needed.
 - Contours shown at 2' intervals.
 - Cut/Fill slopes 1 1/2:1



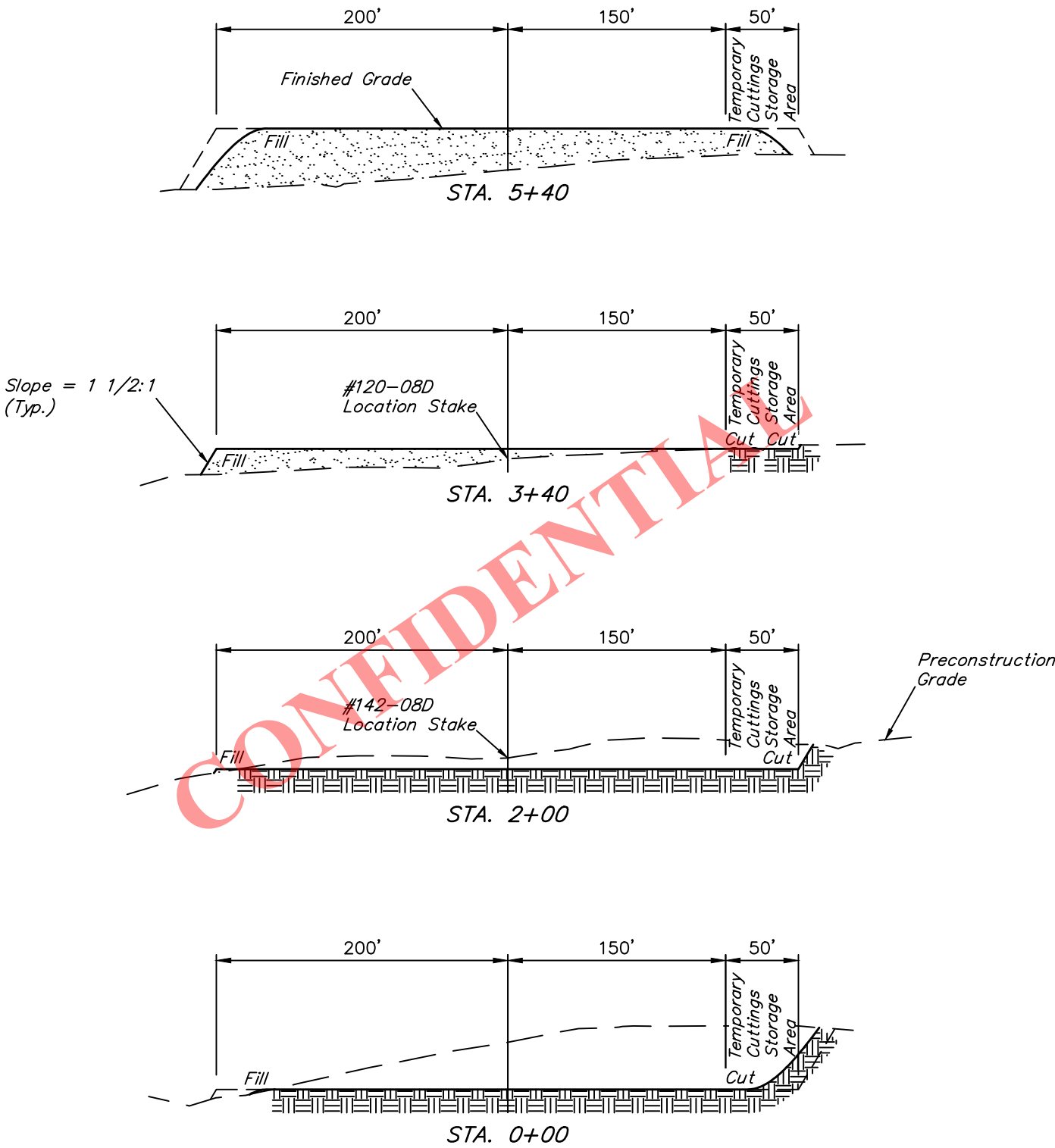
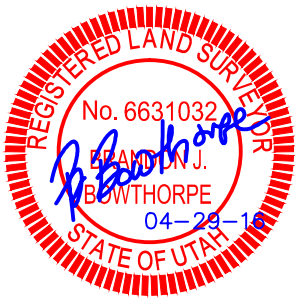
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Vernal, UT 84078 * (435) 789-1017

EOG RESOURCES, INC.

EAST CHAPITA 8 NESW
NE 1/4 SW 1/4, SECTION 8, T9S, R23E, S.L.B.&M.
UINTAH COUNTY, UTAH

SURVEYED BY	J.F., M.P.	04-25-16	SCALE
DRAWN BY	J.P.	04-27-16	1" = 60'
LOCATION LAYOUT			FIGURE #1

1" = 40'
X-Section
Scale
1" = 100'



APPROXIMATE EARTHWORK QUANTITIES	
(6") TOPSOIL STRIPPING	4,440 Cu. Yds.
REMAINING LOCATION	30,810 Cu. Yds.
TOTAL CUT	35,250 Cu. Yds.
FILL	30,810 Cu. Yds.
EXCESS MATERIAL	4,440 Cu. Yds.
TOPSOIL	4,440 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	0 Cu. Yds.

APPROXIMATE SURFACE DISTURBANCE AREAS		
	DISTANCE	ACRES
WELL SITE DISTURBANCE	NA	±6.582
30' WIDE ACCESS ROAD R-O-W DISTURBANCE	±1,074'	±0.740
30' WIDE PIPELINE R-O-W DISTURBANCE	±1,082'	±0.745
TOTAL SURFACE USE AREA		±8.067

- NOTES:
- Fill quantity includes 5% for compaction.
 - Calculations based on 6" of topsoil stripping.
 - Cut/Fill slopes 1 1/2:1

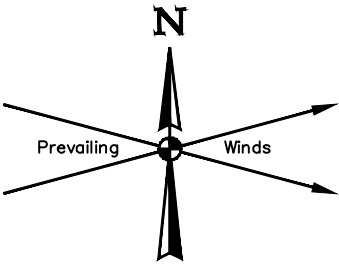


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EAST CHAPITA 8 NESW
NE 1/4 SW 1/4, SECTION 8, T9S, R23E, S.L.B.&M.
UINTAH COUNTY, UTAH

SURVEYED BY	J.F., M.P.	04-25-16	SCALE
DRAWN BY	J.P.	04-27-16	AS SHOWN
TYPICAL CROSS SECTIONS			FIGURE #2

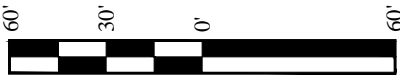


Proposed
Access Road

CONFIDENTIAL

- #120-08D
- #119-08D
- #118-08D
- #121-08D
- #127-08D
- #128-08D
- #126-08D
- #129-08D
- #134-08D
- #137-08D
- #135-08D
- #143-08D
- #141-08D
- #136-08D
- #142-08D

LEGEND:		ACRES
<div></div>	WELL SITE PRODUCTION PAD AREA	±2.256
<div></div>	WELL SITE DISTURBANCE AREA (TO BE RECLAIMED)	±4.326
<div></div>	30' WIDE PROPOSED ACCESS ROAD RIGHT-OF-WAY	±0.740

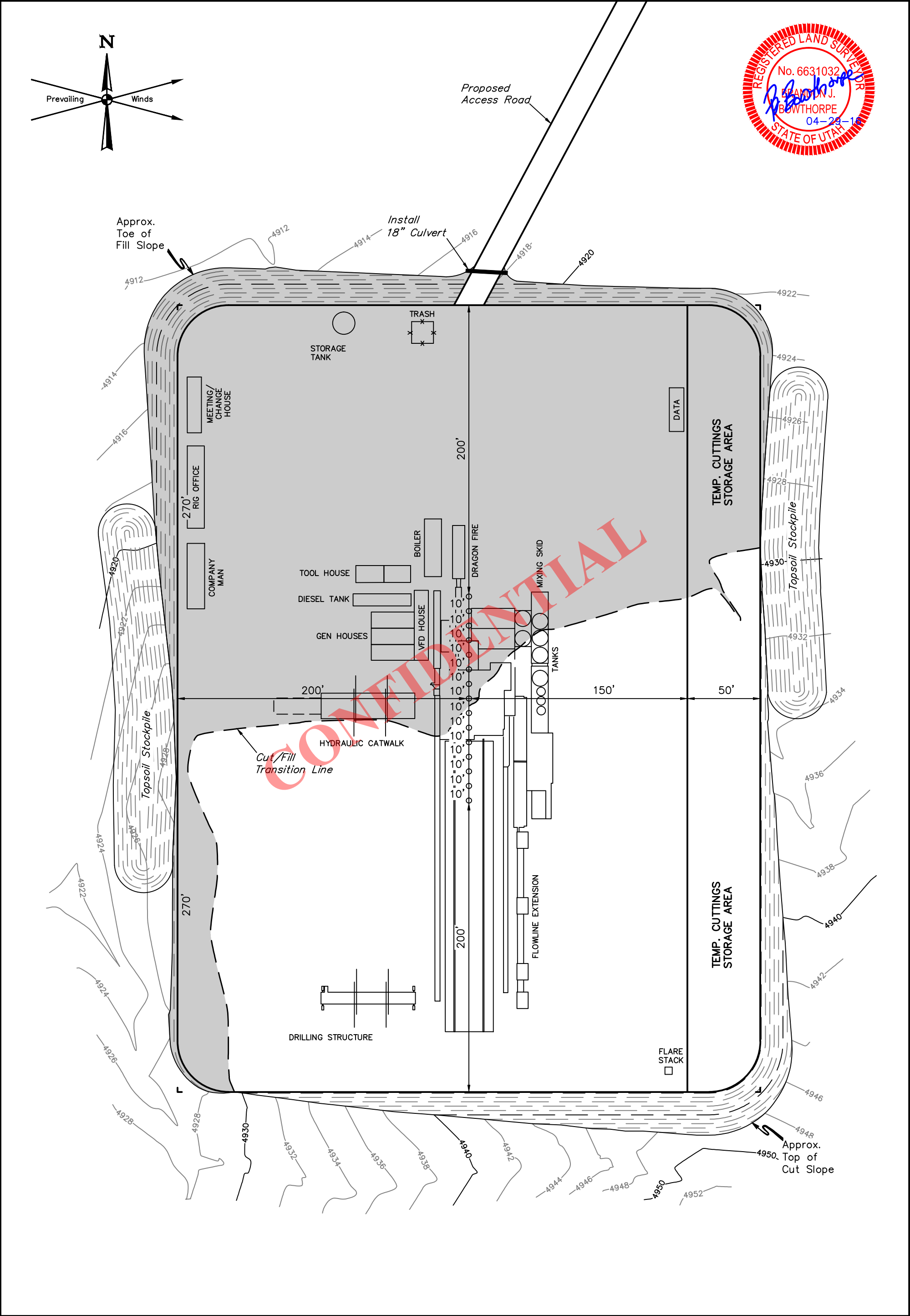


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EOG RESOURCES, INC.

EAST CHAPITA 8 NESW
NE 1/4 SW 1/4, SECTION 8, T9S, R23E, S.L.B.&M.
UINTAH COUNTY, UTAH

SURVEYED BY	J.F., M.P.	04-25-16	SCALE
DRAWN BY	J.P.	04-27-16	1" = 60'
ACREAGE			EXHIBIT I



NOTES:

- Flare pit is to be located a min. of 100' from the wellhead.
- Contours shown at 2' intervals.

EOG RESOURCES, INC.

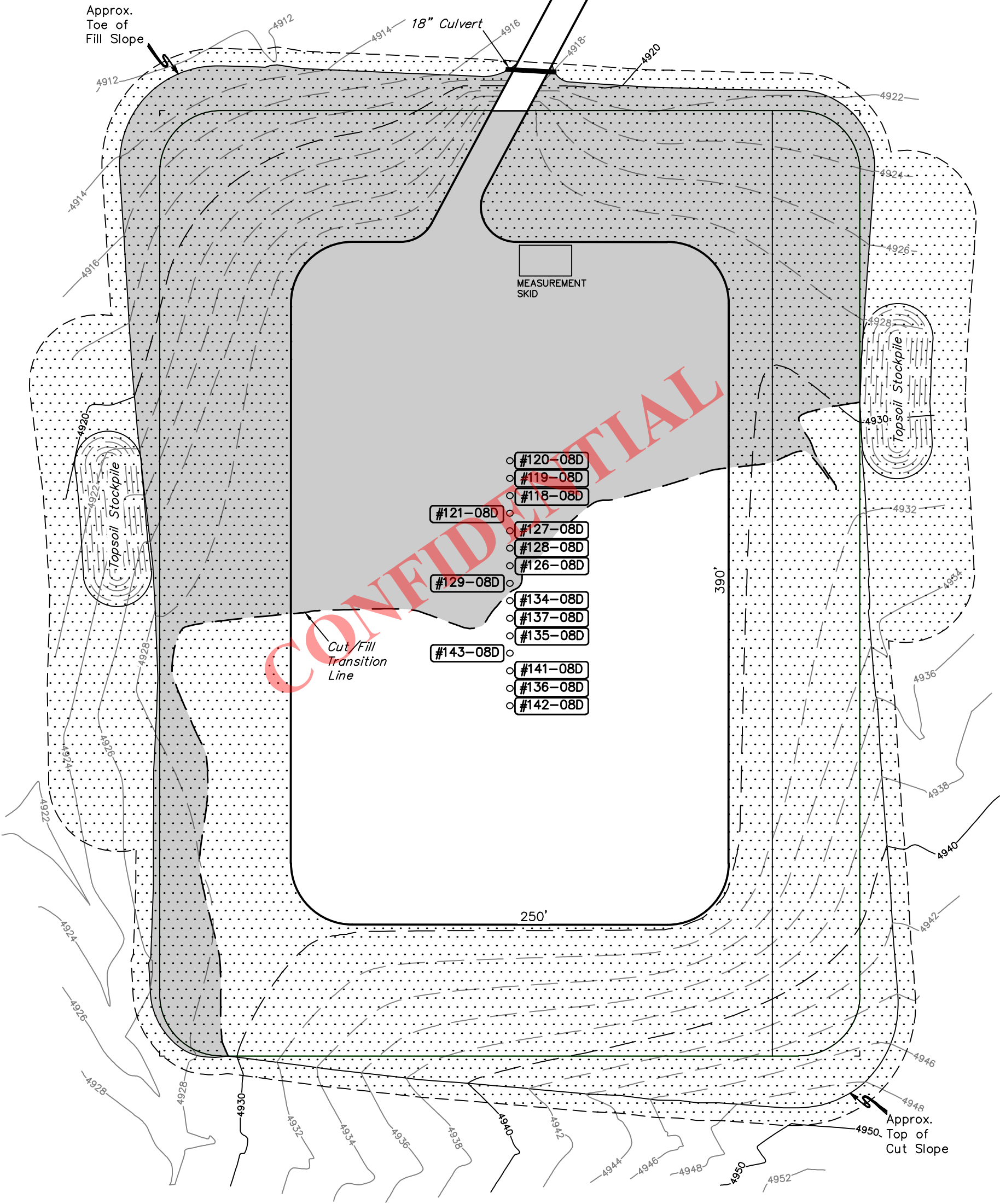
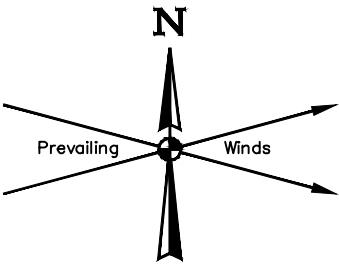
EAST CHAPITA 8 NESW
NE 1/4 SW 1/4, SECTION 8, T9S, R23E, S.L.B.&M.
UINTAH COUNTY, UTAH

SURVEYED BY	J.F., M.P.	04-25-16	SCALE
DRAWN BY	J.P.	04-27-16	1" = 60'

TYPICAL RIG LAYOUT **FIGURE #3**

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Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

U. I. N. T. A. H
ENGINEERING & LAND SURVEYING



LEGEND:

Reclaimed Area

APPROXIMATE PRODUCTION PAD ACREAGE = ±2.256 ACRES
APPROXIMATE RECLAIMED AREA ACREAGE = ±4.326 ACRES
TOTAL ACREAGE = ±6.582 ACRES

NOTES:

- Contours shown at 2' intervals.

REV: 1 07-20-16 C.D.L. (GRAMMAR CHANGE)

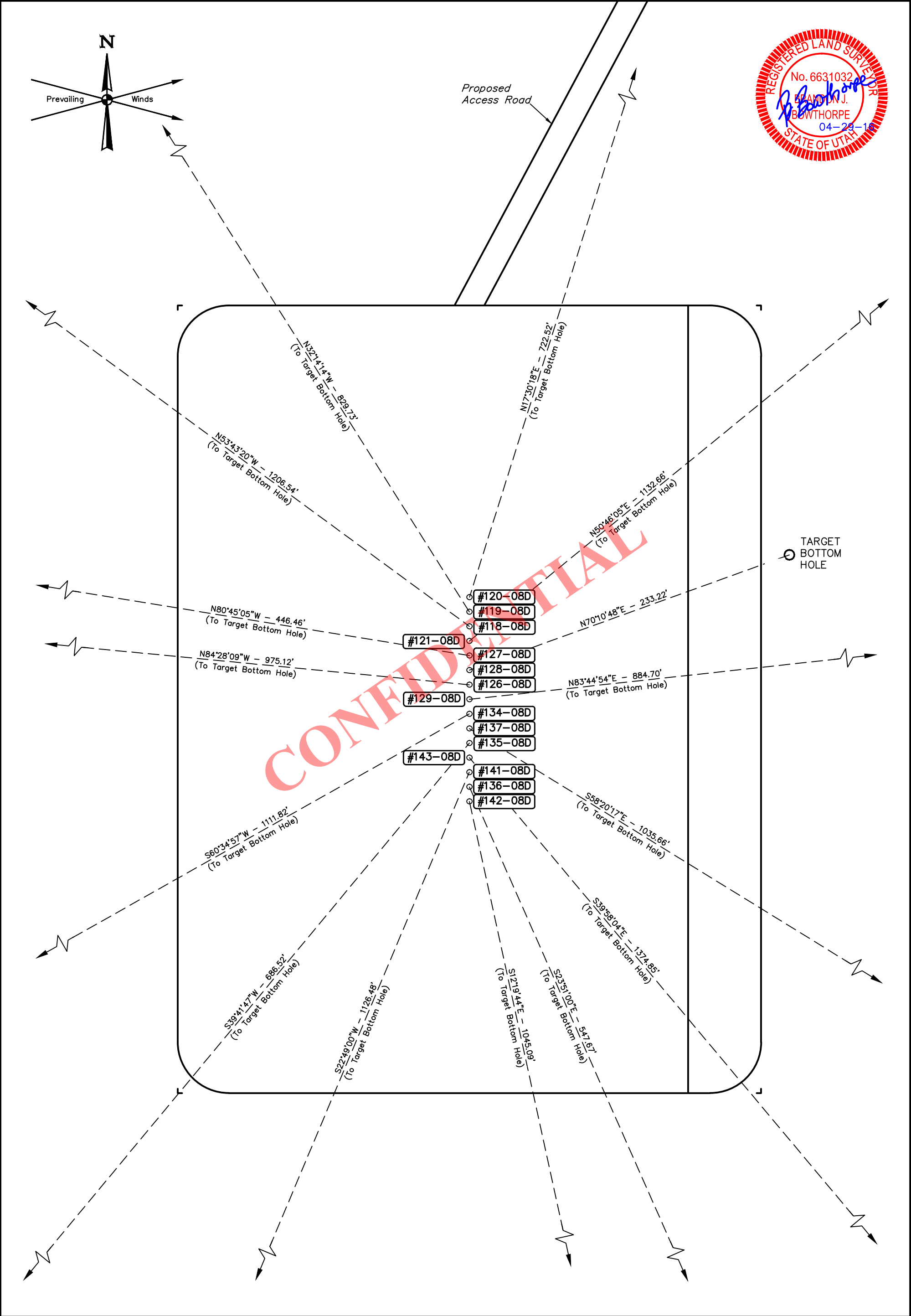
EOG RESOURCES, INC.

EAST CHAPITA 8 NESW
NE 1/4 SW 1/4, SECTION 8, T9S, R23E, S.L.B.&M.
UINTAH COUNTY, UTAH

SURVEYED BY	J.F., M.P.	04-25-16	SCALE
DRAWN BY	J.P.	04-27-16	1" = 60'
PRODUCTION FACILITY LAYOUT			FIGURE #4



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EOG RESOURCES, INC.

EAST CHAPITA 8 NESW
NE 1/4 SW 1/4, SECTION 8, T9S, R23E, S.L.B.&M.
UINTAH COUNTY, UTAH

SURVEYED BY	J.F., M.P.	04-25-16	SCALE
DRAWN BY	J.P.	04-27-16	1" = 60'
MULTI-WELL PLAN			FIGURE #5



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Vernal, UT 84078 * (435) 789-1017

PROCEED IN A SOUTHWESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF THIS ROAD AND STATE HIGHWAY 88 TO THE LEFT; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.3 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND CHAPITA GROVE ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 12.3 MILES TO THE JUNCTION OF THIS ROAD AND GLEN BENCH ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 1.7 MILES TO THE JUNCTION OF THIS ROAD AND FIDLAR ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY, THEN NORTHEASTERLY DIRECTION ALONG FIDLAR ROAD APPROXIMATELY 10.0 MILES TO THE JUNCTION OF THIS ROAD AND COYOTE WASH ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY, THEN WESTERLY DIRECTION APPROXIMATELY 3.0 MILES TO THE BEGINNING OF THE PROPOSED ACCESS ROAD FOR THE EAST CHAPITA SECTION 8 CENTRAL FACILITY TO THE SOUTHEAST; FOLLOW ROAD FLAGS IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 220' TO THE BEGINNING OF THE PROPOSED ACCESS ROAD TO THE SOUTHWEST; FOLLOW ROAD FLAGS IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 1,074' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 58.5 MILES.

REV: 1 05-03-16 J.M.C. (MILEAGE CHANGE)

EOG RESOURCES, INC.

EAST CHAPITA 8 NESW
NE 1/4 SW 1/4, SECTION 8, T9S, R23E, S.L.B.&M.
UINTAH COUNTY, UTAH

SURVEYED BY	C.R., B.H.	04-25-16	
DRAWN BY	J.M.C.	04-27-16	
ROAD DESCRIPTION			



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RECEIVED: August 25, 2016



PHOTO: VIEW FROM NORTHWEST CORNER OF LOCATION

CAMERA ANGLE: SOUTHEASTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHERLY

EOG RESOURCES, INC.

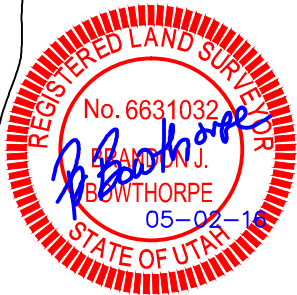
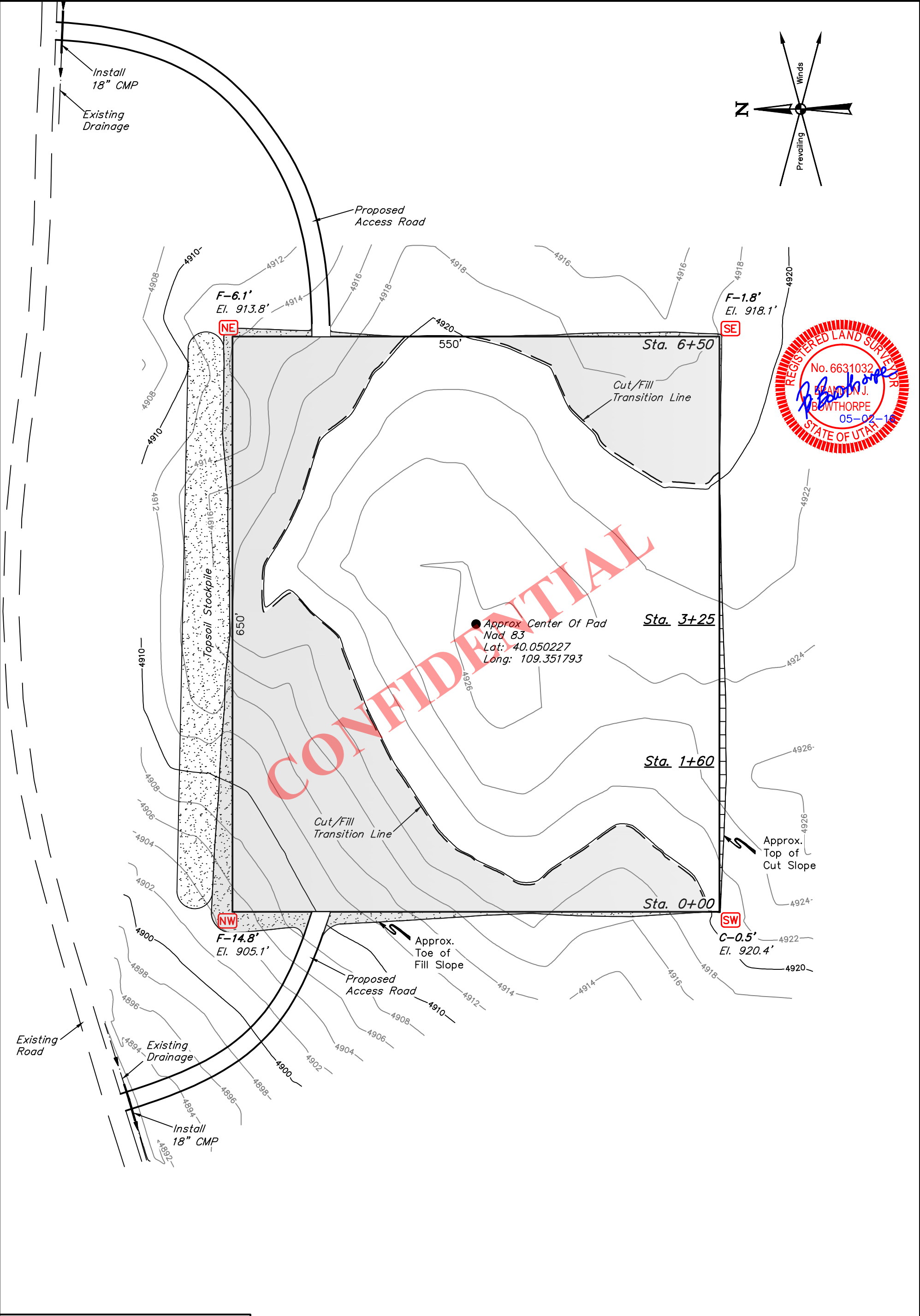
**EAST CHAPITA SECTION 8 CENTRAL FACILITY
SECTION 8, T9S, R23E, S.L.B.&M.
UINTAH COUNTY, UTAH**



UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

TAKEN BY	C.R., B.H.	04-25-16	
DRAWN BY	J.M.C.	04-27-16	
LOCATION PHOTOS			PHOTO

RECEIVED: August 25, 2016



FINISHED GRADE ELEVATION = 4919.9'

- NOTES:
- Cut/Fill slopes 1 1/2:1

EOG RESOURCES, INC.

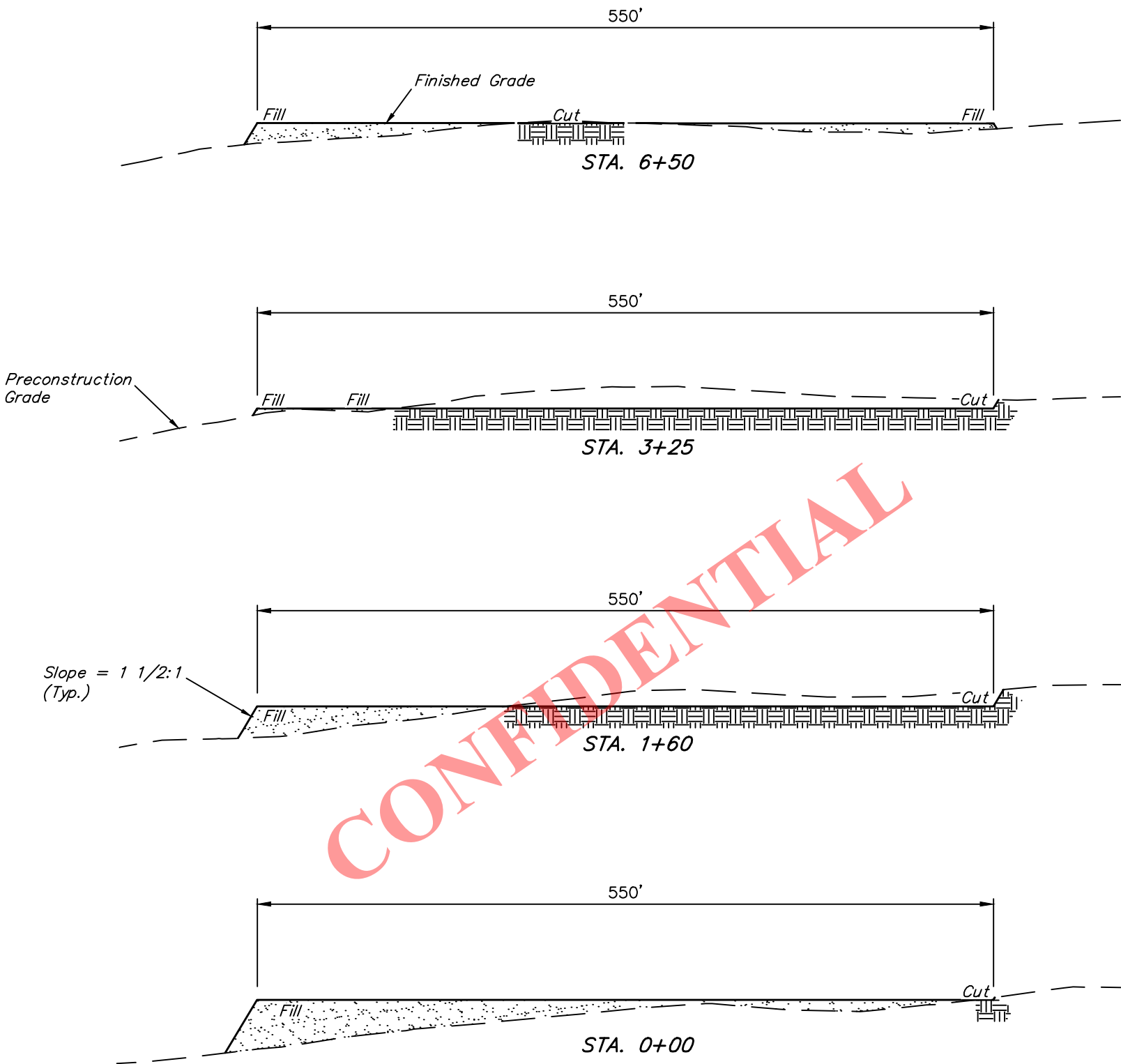
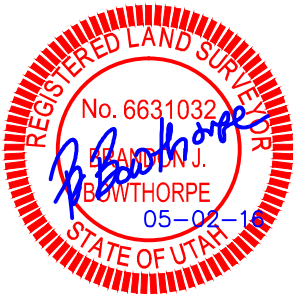
EAST CHAPITA SECTION 8 CENTRAL FACILITY PAD
SECTION 8, T9S, R23E, S.L.B.&M.
UINTAH COUNTY, UTAH

SURVEYED BY	B.H., C.R.	04-26-16	SCALE
DRAWN BY	C.I.	05-02-16	1" = 100'
LOCATION LAYOUT			FIGURE #1



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1" = 40'
X-Section
Scale
1" = 100'



APPROXIMATE EARTHWORK QUANTITIES	
(6") TOPSOIL STRIPPING	6,930 Cu. Yds.
REMAINING LOCATION	22,680 Cu. Yds.
TOTAL CUT	29,610 Cu. Yds.
FILL	22,680 Cu. Yds.
EXCESS MATERIAL	6,930 Cu. Yds.
TOPSOIL	6,930 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	0 Cu. Yds.

APPROXIMATE SURFACE DISTURBANCE AREAS		
	DISTANCE	ACRES
WELL SITE DISTURBANCE	NA	±9.258
30' WIDE GATHERING PIPELINE R-O-W DISTURBANCE	±16,205'	±11.160
30' WIDE WATER PIPELINE R-O-W DISTURBANCE	±12,793'	±8.811
30' WIDE ACCESS ROAD R-O-W DISTURBANCE	±870'	±0.599
TOTAL SURFACE USE AREA	±29,868	±29.828

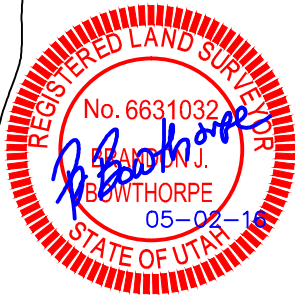
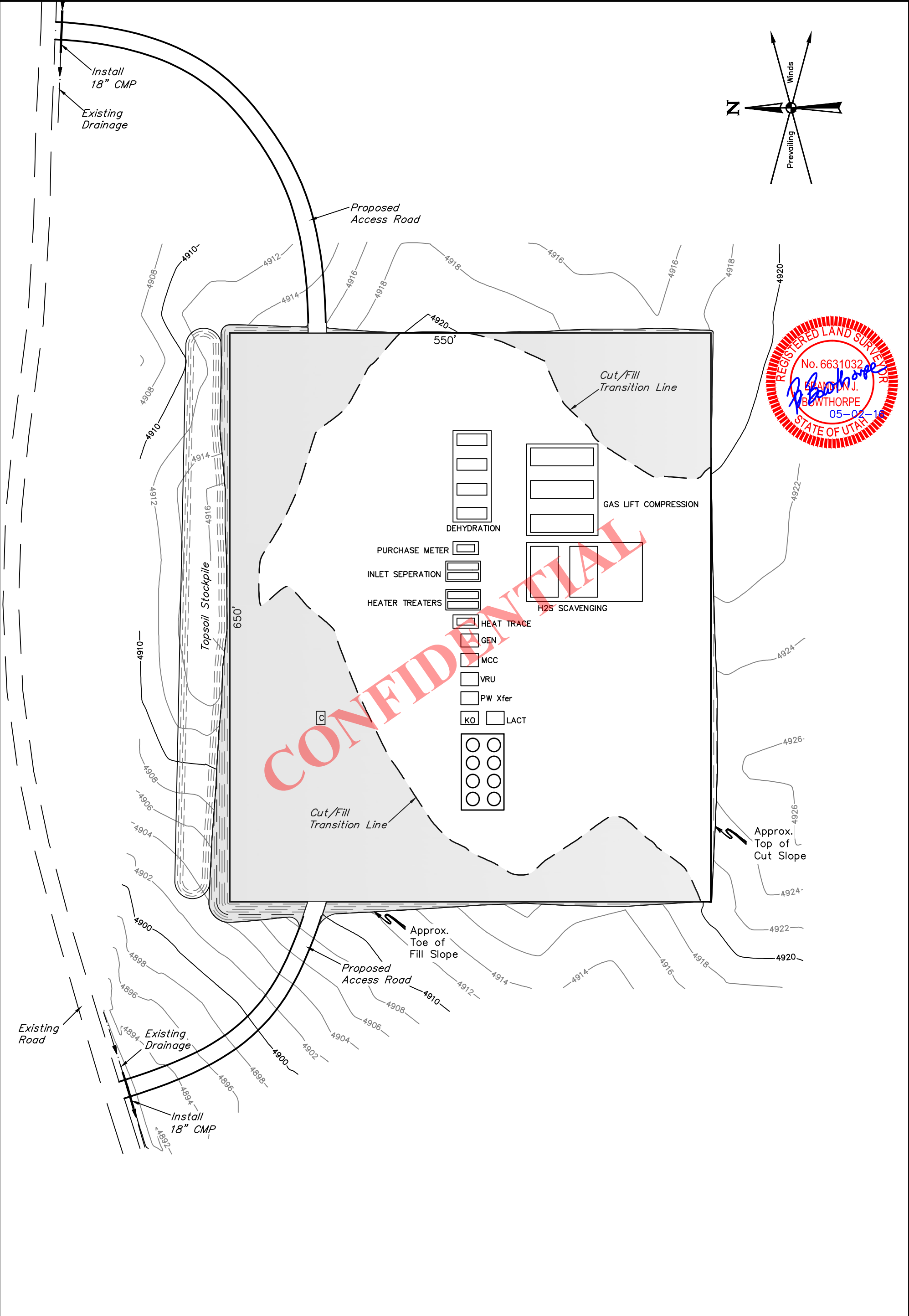
- NOTES:
- Fill quantity includes 5% for compaction.
 - Calculations based on 6" of topsoil stripping.
 - Cut/Fill slopes 1 1/2:1



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SECTION 8, T9S, R23E, S.L.B.&M.
UINTAH COUNTY, UTAH

SURVEYED BY	B.H., C.R.	04-26-16	SCALE
DRAWN BY	C.I.	05-02-16	AS SHOWN
TYPICAL CROSS SECTIONS			FIGURE #2



NOTES:

EOG RESOURCES, INC.

EAST CHAPITA SECTION 8 CENTRAL FACILITY PAD
SECTION 8, T9S, R23E, S.L.B.&M.
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SURVEYED BY	B.H., C.R.	04-26-16	SCALE
DRAWN BY	C.I.	05-02-16	1" = 100'
FACILITIES			FIGURE #3

RECEIVED: August 25, 2016

PROCEED IN A SOUTHWESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF THIS ROAD AND STATE HIGHWAY 88 TO THE LEFT; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.3 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND CHAPITA GROVE ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 12.3 MILES TO THE JUNCTION OF THIS ROAD AND GLEN BENCH ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 1.7 MILES TO THE JUNCTION OF THIS ROAD AND FIDLAR ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY, THEN NORTHEASTERLY DIRECTION ALONG FIDLAR ROAD APPROXIMATELY 10.0 MILES TO THE JUNCTION OF THIS ROAD AND COYOTE WASH ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY, THEN WESTERLY DIRECTION APPROXIMATELY 2.7 MILES TO THE JUNCTION OF THIS ROAD AND THE BEGINNING OF THE PROPOSED ACCESS ROAD TO THE SOUTHWEST; FOLLOW ROAD FLAGS IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 536' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 58.1 MILES.

REV: 1 05-03-16 J.M.C. (MILEAGE CHANGE)

EOG RESOURCES, INC.

EAST CHAPITA SECTION 8 CENTRAL FACILITY
SECTION 8, T9S, R23E, S.L.B.&M.
UINTAH COUNTY, UTAH

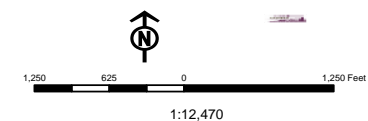
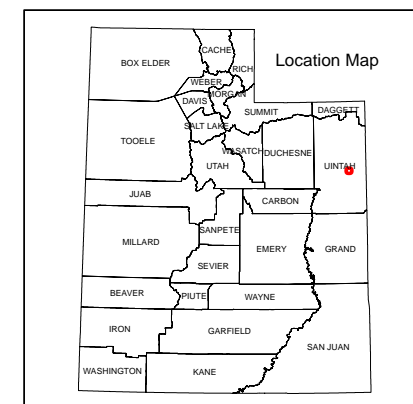
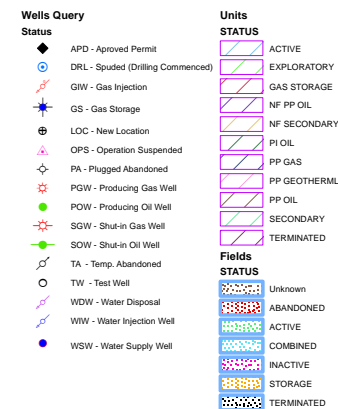
SURVEYED BY	C.R., B.H.	04-25-16	
DRAWN BY	J.M.C.	04-27-16	
ROAD DESCRIPTION			



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RECEIVED: August 25, 2016

Map Prepared: 9/1/2016
Map Produced by Diana Mason



WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 8/25/2016

API NO. ASSIGNED: 43047555950000

WELL NAME: East Chapita 119-08D

OPERATOR: EOG RESOURCES, INC. (N9550)

PHONE NUMBER: 303 262-9894

CONTACT: Barbara Griswold

PROPOSED LOCATION: NESW 08 090S 230E

Permit Tech Review: ☒

SURFACE: 1610 FSL 1430 FWL

Engineering Review: ☒

BOTTOM: 2310 FSL 0990 FWL

Geology Review: ☒

COUNTY: UINTAH

LATITUDE: 40.04766

LONGITUDE: -109.35511

UTM SURF EASTINGS: 640313.00

NORTHINGS: 4434343.00

FIELD NAME: NATURAL BUTTES

LEASE TYPE: 1 - Federal

LEASE NUMBER: UT80939

PROPOSED PRODUCING FORMATION(S): WASATCH-MESA VERDE

SURFACE OWNER: 1 - Federal

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

LOCATION AND SITING:

☒ PLAT☐ R649-2-3.☒ Bond: FEDERAL - NM2308

Unit:

☐ Potash☐ R649-3-2. General☐ Oil Shale 190-5☐ Oil Shale 190-3☐ R649-3-3. Exception☐ Oil Shale 190-13☒ Drilling Unit☒ Water Permit: 49-225

Board Cause No: Cause 179-15

☐ RDCC Review:

Effective Date: 7/17/2008

☐ Fee Surface Agreement

Siting: 460' FR Exterior Boundary Lease

☒ Intent to Commingle☒ R649-3-11. Directional Drill

Commingle Approved

Comments: Presite Completed

Stipulations: 3 - Commingle - ddoucet
4 - Federal Approval - dmason
15 - Directional - dmason

RECEIVED: September 08, 2016



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: East Chapita 119-08D

API Well Number: 43047555950000

Lease Number: UT80939

Surface Owner: FEDERAL

Approval Date: 9/8/2016

Issued to:

EOG RESOURCES, INC., 600 17th Street Ste 1000N, Denver, CO 80202

Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 179-15. The expected producing formation or pool is the WASATCH-MESA VERDE Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

Commingling:

In accordance with Board Cause No. 179-15, commingling of the production from the Wasatch formation and the Mesaverde formation in this well is allowed.

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well - contact Rachel Medina at 801-538-5260
(please leave a voicemail message if not available)
- OR
- submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website
at <http://oilgas.ogm.utah.gov>

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or plugging

Approved By:

A handwritten signature in black ink, appearing to read "John Rogers", written over a horizontal line.

For John Rogers
Associate Director, Oil & Gas